ELASTOMETRIC SEAL CONSTRUCTION

This seal selection guide is separated into four discrete sections: Gasket Seals for Couplings, Press Seals for Vic-Press®, Valve Seals for Valves, and General Definition/Seal Material Selection.



SECTION A: GASKET SEALS FOR COUPLINGS

The grooved piping concept is simple and reliable. The coupling housing performs several functions as an integral part of the pipe joint. It contains the gasket, which is fully enclosed, reinforcing and securing it in position for proper sealing. The housing also engages on the pipe around the full pipe circumference and creates a unified joint while providing the advantages of mechanical joining.

The sealing efficiency of Victaulic gaskets is such that the gasket forms an initial seal as it is stretched over the pipe ends. As the housing segments are tightened, the resilient elastomeric gasket conforms to the internal cavity of the housing, further enhancing the gasket's seal against the pipe, both in pressure and vacuum conditions. The Victaulic gasket is pressure responsive, providing increased sealing action as the internal pressure is increased. The combination of these characteristics creates a permanent, leak-tight triple seal on a variety of piping materials including steel, stainless steel, aluminum, PVC, ductile iron and copper.

The gasket is molded to fit the internal cavity of the housing. Upon placement of the housing around the gasket and into the grooves, the gasket is positioned.

UNIQUE PRESSURE RESPONSIVE GASKET FORMS A TRIPLE SEAL



SEALS BETWEEN THE PIPE ENDS AND THE GROOVE.

The gasket is then slightly compressed as the housings are tightened to secure the gasket lips in a firm seat on the pipe, between the grooves and the pipe ends.

Line pressure serves to strengthen the seal through the combination of normal gasket resilience, housing reinforcement and the action of pressure downward on the lips.





SEAL IS ENHANCED BY PRESSURE OR VACUUM IN THE LINE

JOB/OWNER

CONTRACTOR

System No.	
Location	

CONTRACTOR	LING
Submitted By	Spe
Date	App

ENGINEER	
Spec Sect	Para
Approved	
Date	

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SECTION A: GASKET SEALS FOR COUPLINGS

GASKET SEAL DATA	Victaulic offers a variety of synthetic elastomeric gasket seals to provide the option of grooved piping products for the widest range of applications. To assure the maximum life for the service intended, proper gasket selection and specification in ordering is essential.
	Many factors must be considered in determining the optimum gasket seal for a specific service. The foremost consideration is temperature, along with concentration of product, duration of service, and continuity of service. Temperatures beyond the recommended limits have a degrading effect on the polymer. Therefore, there is a direct relationship between temperature, continuity of service, and gasket life.
	Services listed are General Service Recommendations for each of the three associated product areas. It should be noted that there are services for which these gasket seals are not recommended . Reference should always be made to the General Chemical Resistance Properties for each Victaulic gasket Grade for specific service recommendations and for a listing of services which are not recommended . Furthermore, Victaulic gaskets are also developed according to housing roles, i.e. the design of the housing and to a given percent seal compression.
	Gasket recommendations apply only to Victaulic gasket seals. Recommendations for a particular service does not necessarily imply compatibility of the coupling housing, related fittings, or other components for the same service.
	Victaulic gaskets are clearly marked as part of the mold with the gasket size, style, and associated compound for easy identification.
POTABLE WATER	Grade "E" EPDM, Grade "E" Vic-Plus [™] , Grade "EHP", Grade "EHP" Vic-Plus, Grade "E2" and Grade "EW" gaskets were submitted to Underwriters' Laboratories, Inc. for evaluation in potable wate applications. EPDM material was tested to the requirements of ANSI/NSF 61 (Drinking Water System Components - Health Effects) and NSF 372 (Safe Drinking Water Act). Successful completion of this testing allows us to state that our EPDM gasket material is UL classified in accordance with ANSI/ NSF 61 and NSF 372 for cold (+86°F/+30°C) and hot (+180°F/+82°C) potable water service.
	Similarly, Victaulic Grade "M" halogenated butyl gasket material (which is typically used with Victauli AWWA sized products) has also been UL classified in accordance with ANSI/NSF 61 and NSF 372 for cold (+86°F/+30°C) potable water service.
	The data provided is intended for use as an aid to qualified designers when products are installed in accordance with the latest available Victaulic product line.



SECTION A: GASKET SEALS FOR COUPLINGS

Gasket Styles ILLUSTRATIONS EXAGGERATED FOR CLARITY





Reducing



Standard

Installation-Ready



FlushSeal



Grooved Copper Tubing with FlushSeal Gasket



Advanced Groove System (AGS)

EndSeal

Vic-Flange





FireLock EZ

Outlet

Mechanical-T



IPS to AWWA Transition



AWWA FlushSeal



Plain End

Plain End Piping System for HDPE Pipe



SECTION A: GASKET SEALS FOR COUPLINGS

GASKET SEAL SELECTION GUIDE

WARNING

• To assure maximum life for the service intended, proper gasket selection and specification in ordering is essential. For specific chemical and temperature compatibility, refer to the Gasket Selection and Chemical Services sections. The information shown defines general ranges for all compatible fluids.

Failure to select the proper rubber compound may result in personal injury or property damage, improper installation, joint leakage or joint failure.

STANDARD GASKET SEALS

Grade	Temp. Range*	Compound	Color Code	General Service Recommendations
Ε	–30°F to +230°F –34° C to +110° C	EPDM	Green Stripe	Recommended for hot water service within the speci- fied temperature range plus a variety of dilute acids, oil-free air and many chemical services. UL classified in accordance with ANSI/NSF 61 and NSF 372 for cold +86°F/+30°C and hot +180°F/+82°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.
EHP	-30°F to +250°F -34°C to +120°C	EPDM	Red & Green Stripes	Recommended for hot water service within the speci- fied temperature range. UL classified in accordance with ANSI/NSF 61 and NSF 372 for cold +86°F/+30°C and hot +180°F/+82°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES
Т	–20°F to +180°F –29° C to +82° C	Nitrile	Orange Stripe	Recommended for petroleum products, hydrocar- bons, air with oil vapors, vegetable and mineral oils within the specified temperature range; not recom- mended for hot dry air over +140°F/+60°C and water over +150°F/+66°C. NOT RECOMMENDED FOR HOT WATER SERVICES.
(Type A)	Ambient	EPDM	Violet Stripe	Applicable for wet and dry (oil-free air) sprinkler services only. For dry services, Victaulic continues to recommend the use of FlushSeal® gaskets. NOT RECOMMENDED FOR HOT WATER SERVICES.
E2	Ambient	EPDM	Double Green Stripe	UL classified in accordance with ANSI/NSF 61 and NSF 372 for cold +86°F/+30°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.

† Vic-Plus gasket.

* For specific chemical and temperature compatibility, please refer to either the short or full version Gasket Chemical Services Guide. The information shown defines general ranges for all compatible fluids. ϵ The Grade EHP gasket is only available on Style 107, 607 and 177 couplings.



SECTION A: GASKET SEALS FOR COUPLINGS

SPECIAL GASKETS

	Temp.		Color	
Grade	Range*	Compound	Code	General Service Recommendations
M2	-40°F to +160°F -40° C to +71° C	Epichlorohydrin	White Stripe	Specially compounded to provide superior service for common aromatic fuels at low temperatures. Also suitable for certain ambient temperature water services.
V	-30°F to +180°F -34° C to +82° C	Neoprene	Yellow Stripe	Recommended for hot lubricating oils and certain chemicals. Good oxidation resistance. Will not sup- port combustion.
0	+20°F to +300°F –7° C to +149° C	Fluoro- elastomer	Blue Stripe	Recommended for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids and air with hydrocarbons. NOT RECOMMENDED FOR HOT WATER SERVICES
L	–30°F to +350°F –34° C to +177° C	Silicone	Red Gasket	Recommended for dry heat, air without hydro- carbons to +350°F/+177°C and certain chemical services.
Α	+20°F to +180°F -7° C to +82° C	White Nitrile	White Gasket	No carbon black content. May be used for food. Meets FDA requirements. Conforms to CFR Title 21 Part 177.2600. Not recommended for hot water services over +150°F/+66°C or for hot, dry air over +140°F/+60°C. NOT RECOMMENDED FOR HOT WATER SERVICES.
HMT (T EndSeal®)	-20°F to +150°F -29° C to +66° C	Nitrile	Orange & Silver Stripes	Specially compounded with excellent oil resistance and a high modulus for resistance to extrusion. Temperature Range –20°F/–29°C to +150°F/+66°C. Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the speci- fied temperature range. Not recommended for hot water services over +150°F/+66°C or for hot, dry air over +140°F/+60°C. For maximum gasket life under pressure extremes, temperature should be limited to +120°F/+49°C.

* For specific chemical and temperature compatibility, please refer to either the short or full version Gasket Chemical Services Guide. The information shown defines general ranges for all compatible fluids.



SECTION A: GASKET SEALS FOR COUPLINGS

SPECIAL GASKETS IPS

Grade	Temp. Range*	Compound	Color Code	General Service Recommendations
EF	–30° F to +230°F –34° C to +110° C	EPDM	Green "X"	Recommended for hot and cold water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. Also meets hot and cold potable water require- ments per DVGW, KTW, ÖVGW, SVGW, and French ACS (Crecep), approved for W534, approved for EN681-1 Type WA cold potable, and Type WB hot potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.
EW	–30°F to +230°F –34° C to +110° C	EPDM	Green "W"	Recommended for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. WRAS approved material to BS 6920 for cold and hot potable water service up to +149°F/+65°C. UL Classified to ANSI/NSF 61 and NSF 372 for cold +86°F/+30°C and hot +180°F/+82°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.

* For specific chemical and temperature compatibility, please refer to either the short or full version Gasket Chemical Services Guide. The information shown defines general ranges for all compatible fluids.

SPECIAL GASKETS AWWA

Grade	Temp. Range*	Compound	Color Code	General Service Recommendations
S	–20° F to +180°F –29° C to +82° C	Nitrile	Orange Stripe	Specially compounded to conform to ductile pipe surfaces. Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range, not recommended for hot dry air over +140°F/+60°C and water over +150°F/+66°C. NOT RECOMMENDED FOR HOT WATER SERVICES.
Μ	–20°F to +200°F –29° C to +93° C	Halogenated Butyl	Brown Stripe	Recommended for water service within the speci- fied temperature range plus a variety of dilute acids, oil-free air and many chemical services. Readily conforms to ductile pipe surfaces. UL classified in accordance with ANSI/NSF 61 and NSF 372 for cold +86°F/+30°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.

* For specific chemical and temperature compatibility, please refer to either the short or full version Gasket Chemical Services Guide. The information shown defines general ranges for all compatible fluids.



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SECTION B: PRESS SEALS FOR VIC-PRESS



Vic-Press[®] for Schedule 10S, Type 304/304(L) and Type 316/316(L) stainless steel pipe provides a fast, easy, clean, and reliable means for joining small size ASTM A-312 Schedule 10S stainless steel pipe. Vic-Press for Schedule 10S products meet ASME requirements and ratings for ANSI Class 150 systems for water, oil, gases and general chemical services as depicted in the General Service Recommendations shown below. FM Approved.

PATENT-PENDING PRESS DETECTION TECHNOLOGY PROVIDES FOR EASY IDENTIFICATION OF UNPRESSED JOINTS AS A SYSTEM IS BEING PRESSURIZED



The press seal is compressed as the housing is pressed, creating a leak tight seal rated to 500 psi/3450 kPa

Grade	Temp. Range*	Compound	Color Code	General Service Recommendations
н	–20° F to +210°F –29° C to +98° C	Hydrogenated Nitrile Butadiene Rubber (HNBR)	Two Orange Stripes	Recommended for hot petroleum/water mixtures, hydrocarbons, air with oil vapors, vegetable and mineral oils, engine oil, transmission oil. ANSI/NSF 61 and NSF 372 for potable water up to 180°F/82°C.
	Standard Seal- Vic-	Press products wil	l ship with Gra	ade "H" seal unless otherwise specified on order.
Ε	–30° F to +250°F –34° C to +121° C	EPDM	Green Stripe	Recommended for hot water service, dilute acids, oil-free air, chemical services. NOT RECOMMENDED FOR PETROLEUM or STEAM SERVICES. ANSI/NSF 61 and NSF 372 for potable water up to 180°F/82°C.
0	+20°F to +300°F +6° C to +149° C	Fluoro- elastomer	Blue Stripe	Recommended for oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids, and air with hydrocarbons. NOT RECOMMENDED FOR HOT WATER OR STEAM SERVICES.

A WARNING

- Vic-Press for Schedule 10S products for Types 304 and 316 stainless steel must only be used on services compatible with seal and fitting materials.
- Incompatible services may result in leakage. Always reference the latest Victaulic Seal Selection Guide (05.01) for specific seal service recommendations.



SECTION C: PRIMARY ELASTOMERIC SEALS FOR VALVES



The following seal materials are offered for Victaulic valves for chemical services as depicted in the General Service Recommendations shown below. Please consult with Victaulic for availability.

Grade	Temp. Range*	Compound	Valve Series Number	General Service Recommendations
E	–30° F to +230°F –34° C to +110° C	EPDM	317, 365, 700, 7A2, 7B2, 702, 713, 7125, 713, 716, 716H, 717, 717H, 717HR, 717R, 751, 768, 769, 779	Recommended for cold and hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. Certain valves using this Grade are UL classified in accordance with ANSI/NSF 61 and NSF 372 for cold +86°F/+30°C and hot +180°F/+82°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.
	–30° F to +180°F –34° C to +82° C		W709, W715, 771F, 771H, 772F, 772H	SERVICES.
EV	–30°F to +230°F –34° C to +110° C	EPDM	761, SC761, W761	Recommended for cold and hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. Certain valves using this Grade are UL classified in accordance with ANSI/NSF 61 and NSF 372 for cold +86°F/+30°C and hot +180°F/+82°C potable water service. NOT RECOMMENDED FOR PETROLEUM SERVICES.
E3	–30°F to +250°F –34° C to +121° C	EPDM	705, 707C, 765, 766	Recommended for cold and hot water service within the specified temperature range plus a vari- ety of dilute acids, oil-free air and many chemical services. NOT RECOMMENDED FOR PETROLEUM SERVICES.
ТА	20°F to +180°F 29°C to +82°C	Nitrile	317, 365, 608, 700, 712, 7125, 713, 716, 716H, 717H, 717HR, 765, 779, 2950	Recommended for petroleum products, air with oil vapors, oil-free gas, vegetable and mineral oils within the specified temperature range. NOT RECOMMENDED FOR HOT WATER SERVICES OVER +150°F/+66°C OR FOR HOT DRY AIR OVER +140°F/+60°C.
ТV	–20°F to +180°F –29°C to +82°C	Nitrile	761, SC761, W761	Recommended for petroleum products, air with oil vapors, oil-free gas, vegetable and mineral oils within the specified temperature range. NOT RECOMMENDED FOR HOT WATER SERVICES OVER +150°F/+66°C OR FOR HOT DRY AIR OVER +140°F/+60°C.

* For specific chemical and temperature compatibility, please refer to either the short or full version Gasket Chemical Services Guide. The information shown defines general ranges for all compatible fluids.



SECTION C: PRIMARY ELASTOMERIC SEALS FOR VALVES

Grade	Temp. Range*	Compound	Valve Series Number	General Service Recommendations
Т3	–20°F to +180°F –29° C to +82° C	Nitrile	705, 707C, 765, 766	Recommended for petroleum products, air with oil vapors, oil-free gas, vegetable and mineral oils within the specified temperature range. NOT RECOMMENDED FOR HOT WATER SERVICES OVER +150°F/+66°C OR FOR HOT DRY AIR OVER +140°F/+60°C.
Ο	+40°F to +230°F -4° C to +110° C	Fluoro- elastomer	317, 365, 712, 712S, 713, 716, 716H, 779	Recommended for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids. NOT RECOMMENDED FOR HOT WATER SERVICES.
ον	+20°F to +250°F –7° C to +121° C	Fluoro- elastomer	761, SC761, W761	Recommended for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids. NOT RECOMMENDED FOR HOT WATER SERVICES.
V	-30°F to +180°F -34° C to +82° C	Neoprene	317, 365	Recommended for hot lubricating oils and certain chemicals. Good oxidation resistance. Will not support combustion.
CHP, CHP2	+40°F to +230°F +4° C to +110° C	Fluoro- elastomer	608	Recommended for cold and hot water service within the specified temperature range plus a variety of acids, bases, petroleum oils, lubricants, hydraulic fluids and air with hydroarbons. UL classified in accordance with ANSI/NSF61 and NSF 372 for cold +86°F/+30°C and hot +180°F/+82°C potable water service.

The following seal materials are offered for Victaulic valves for chemical services as depicted in the General Service Recommendations shown below. Please consult with Victaulic for availability.

* For specific chemical and temperature compatibility, please refer to either the short or full version Gasket Chemical Services Guide. The information shown defines general ranges for all compatible fluids.



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 1

SEAL MATERIAL SELECTION

General Chemical Resistance properties are shown in the following pages for Victaulic elastomer compounds. Unless otherwise noted, temperatures are ambient. For chemicals or combinations not listed please see the full detailed chemical list or contact Victaulic for recommendations.

The data and recommendations presented are based upon the best information available resulting from our field experience and laboratory testing. In addition, we have incorporated the recommendations supplied by prime producers of basic copolymer materials and information furnished by leading molders of rubber products.

The information presented in this guide is general in scope and should be used only with this full knowledge and understanding. In unusual, critical or severe services, full information should be referred to Victaulic, such as non-ambient operating temperatures or highly concentrated solutions.

Where possible, materials should be subjected to simulated service conditions to determine their suitability for the service intended. Furthermore, it should not be concluded that, in instances where a liner is not affected by several substances used alone, their combination will have no reaction on the liner. Caution should be exercised with explosive, inflammable or toxic fluids. All gasket recommendations are based on pressure and temperature limitations published by Victaulic. Borderline services always should be verified by Victaulic.

Victaulic Grade	ASTM Designation / Common Name	Composition	General Chemical Resistance Properties
EHP	EPDM Ethylene Propylene	Ethylene- propylene- diene-monomer	Generally resistant to animal and vegetable oils, strong oxidizing chemicals, organic and inorganic acids, clean- ing agents, sodium and potassium alkalis, and ozone. Excellent aging characteristics. Poor resistance to petro- leum based fluids, mineral oils, solvents, and aromatic hydrocarbons.
E, EA	EPDM Ethylene Propylene	Ethylene- propylene- diene-monomer	Generally resistant to animal and vegetable oils, strong oxidizing chemicals, organic and inorganic acids, clean- ing agents, sodium and potassium alkalis, and ozone. Moderate aging characteristics. Poor resistance to petro- leum based fluids, mineral oils, solvents, and aromatic hydrocarbons.
Т, А	NBR Nitrile	Butadiene Acrylonitile Copolymer	Generally resistant to aliphatic hydrocarbons, fats, oils, greases, hydraulic fluids, dilute acids, bases, salt solutions, and ethylene glycol fluids. Poor resistance to ozone and highly polar solvents such as acetone and ketones, esters, ethers, aldehydes, strong acids chlorinated and nitro hydrocarbons.
H, ST	HNBR Hydrogenated Nitrile	Highly Saturated Nitrile Hydrogenated Acrylonitile Butadiene	Generally resistant to aliphatic hydrocarbons, fats, oils, greases, hydraulic fluids, dilute acids, bases salt solutions, and ethylene glycol fluids. Increased long term tempera- ture resistance beyond NBR. Poor resistance to ozone and highly polar solvents such as acetone and ketones, esters, ethers, aldehydes, strong acids, chlorinated and nitro hydrocarbons.
L	VMQ Silicone	Silicone	Generally resistant to hot air, animal and vegetable oil and grease, high molecular weight chlorinated aromatic hydrocarbons, dilute salt solutions. Poor resistance to hot water, acids and alkalis, low molecular weight chlorinated hydrocarbons, hydrocarbon based fuels, aromatic hydro- carbons such as benzene and toluene, low molecular weight silicone oils, and brake fluid.



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 1

Victaulic Grade	ASTM Designation / Common Name	Composition	General Chemical Resistance Properties
V	CR Neoprene	Chloroprene copolymer	Generally resistant to paraffin based mineral oils, silicone oils, grease, water and water solvents at low tempera- tures, refrigerants, ammonia, carbon dioxide, silicone ester lubricants, and dilute acids. Limited resistance with Naphthalene based mineral oils, low molecular weight aliphatic hydrocarbons and glycol based brake fluids. Poor resistance with aromatic hydrocarbons, chlorinated hydrocarbons, gasoline, automobile and aircraft brake fluids, and polar solvents such as ketones, esters, and ethers.
M2A2	ECO Epichlorohydrin	Polyepichloro- hydrin copolymer	Generally high resistance to hydrocarbons, oils, fuels, bio-fuels, and solvents. Exhibits good heat resistance, excellent ozone resistance along with outstanding gas impermeability.
М	Halogenated Butyl	Chlorinated Isobutylene- isoprene copolymer	Excellent resistance to weathering, ozone, and heat/hot air. Very good resistance to acidic and basic chemicals. Very low permeability to gases and liquids.
Ο	FKM Fluoroelastomer	Bisphenol cureable copolymer	Generally resistant to most acids / chemicals, halogenated hydrocarbons, aliphatic and aromatic hydrocarbon process fluids and chemicals, automotive and aviation fuels, SE and SF engine lubricating oils, Di-Ester lubricants, petroleum oils / fuels, silicone oils / greases. Poor resistance to aqueous fluids, steam, mineral acids, automotive fuels oxygenated with MEOH, ETOH, MTBE, etc. Ketones (MEK), auto / aircraft brake fluids, amines (Ammonia), acetone, Ethyl Acetate, hot water, low molecular esters and ethers.
СНР	TFE/P Fluoroelastomer	Fluorinated Copolymer	Excellent heat resistance and exceptional chemical resistance to strong acids and bases, phosphate esters, amines, engine oils, hydraulic and brake fluids, pulp and paper liquors, and hot water. Poor resistance to aromatic fuels, chlorinated hydrocarbons, and ketones.



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

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AWARNING

Revision: GSG-100 6490 Rev.(AA)

- The information contained herein is general in nature and recommendations are valid only for Victaulic compounds.
 Gasket compatibility is dependent upon a number of factors. Suitability for a particular application must be determined by a competent individual familiar with system-specific conditions.
 Victaulic offers no warranties, expressed or implied, of a product in any application. Contact your Victaulic sales representative to ensure the best gasket is selected for a particular service.

Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.

	Rating Code Key				H.						
1	Most Applications				GRADE ST / GRADE H (Hydrogenated Nitrile)	(6		ner)	GRADE M (Halogenated Butyl)	rin)	
2	Limited Applications	ш	Ξ	E T	GR/ ted N	Nitril€	E V ene)	E O ston	E M ed B	E M2	DE L ne)
3	Restricted Applications	ad	(EPDM)	GRADE T (Nitrile)	ST / Jenaj	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	RAD enat	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data			G _	ADE drog	۵§	۵Ŝ	Fluor	G alog	GF Epic	99
	Chemical				GR/ (H))	H))	
1,4-Butanedic	I		1	3	3	3	1	1			3
2-Chlorophen	ol		3	3	3	3	3	3			3
Abietic Acid		-									
Acetaldehyde			2	3	3	3	3	3			2
Acetamide			1	1	1	1	2	3			2
Acetanilide			1	3	3	3	1	3			2
Acetic Acid, 3	0%		1	2	2	2	1	3		2	1
Acetic Acid, 5	%		1	2	2	2	1	3		2	1
Acetic Acid, G	ilacial		1	3	3	3	3	3		3	2
Acetic Acid, H	lot, High Pressure		3	3	3	3	3	3		3	3
Acetic Anhydr	ide		2	3	3	3	2	3		3	3
Acetoacetic A	cid		1	3	3	3	1	3			2
Acetone			1	3	3	3	3	3		3	3
Acetone Cyar	nohydrin		1	3	3	3	1	3			2
Acetonitrile			1	3	3	3	1	3			
Acetophenetic	dine		3	2	2	2	3	1			
Acetophenon	9		1	3	3	3	3	3		3	3

The data and recommendations presented are based upon the best information available resulting from a combination of Victaulic's field experience, laboratory testing and recommendations supplied by prime producers of basic copolymer materials. The information presented in this guide is general in scope and specific applications should be discussed with your Victaulic sales representative. In addition, contact Victaulic for recommendations for services, chemicals and/or temperatures not listed.

- Unless otherwise noted, ratings indicated are at an ambient room temperature of ~73°F (22.8°C) and concentrations are 100%
- All gasket recommendations are based on pressure and temperature limitations published by Victaulic
 Gaskets may be affected by combinations of chemicals where the chemicals acting individually may not react
 Cautions should be exercised when working with explosive, inflammable or toxic fluids
 Materials should be subjected to simulated service conditions to determine their suitability for the service
- intended.

NOTE: Grade H is standard with the Victaulic® Vic-Press™ Schedule 10S system.

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

The informati	WARNING ion contained herein is general in nature and recomination	endations	on: GS	G-100 6	6490 Re	ev.(AA)				
 are valid only Gasket comp a particular a familiar with Victaulic offer application. (gasket is selent) 	y for Victaulic compounds. atbillity is dependent upon a number of factors. Suit application must be determined by a competent indiv system-specific conditions. rs no warranties, expressed or implied, of a product Contact your Victaulic sales representative to ensure acted for a particular service.	bility for Juai n any the best								
Failure to foll serious perso	ow these instructions could cause system failure nal injury and property damage.	resulting in								
	Rating Code Key			II m						
1	Most Applications			ADE litrile			ler)	utyl)	j.	
2	Limited Applications	ш _я	е) Ш	a P	E A litril€	⊨ () Ene	ston 0	NB	MZ	ы Ш
3	Restricted Applications	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data		0	ADE /droc	ΩŞ	ΩŜ	Fluor	G Halog	(Epic	05
	Chemical			Ц Ц Ц Ц Ц				L T		
Acetotoluidid	le		2	2	2	3	1			
Acetyl Aceto	ne	1	3	3	3	3	3		3	3
Acetyl Bromi	de	1	3	3	3	3	1			3
Acetyl Chlori	de	3	3	3	3	3	1		3	3
Acetylene		1	1	1	1	2	1		3	3
Acetylene Te	etrabromide	1	3	3	3	2	1			3
Acetylene Te	etrachloride	1	3	3	3	2	1			3
Acetylsalicyli	ic Acid	3	2	2	2	3	1			
Acrolein		1	3	3	3	1	3			2
Acrylic Acid		3	2	2	2	3	3			
Acrylonitrile			Со	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Adipic Acid		1	1	1	1	1	1			
Aero Lubripla	ate	3	1	1	1	3	1			2
Aero Shell 1	7 Grease	3	1	1	1	2	1			2
Aero Shell 7	50	3	2	2	2	3	1			3
Aero Shell 7	A Grease	3	2	2	2	2	1			2
Aero Shell IA	AC	3	1	1	1	2	1			2
Aerosafe 230	00	1	3	3	3	3	3			3
Aerosafe 230	WOO	1	3	3	3	3	3			3
Aerozene 50	(50% Hydrazine 50% UDMH)	1	3	3	3	3	3			3
Air		1	1	1	1	1	1	1	1	1
	arboxylic Acid	3	2	2	2	3	1			
Alkanes (Par	raffin Hydrocarbons)	3	1	1	1	2	1			3
Alkanesulfor	nic Acid	3	1	1	1	2	1			2
Alkazene		3	3	3	3	3	2		3	3
Alkenes (Ole	fin Hydrocarbons)	3	2	2	2	3	1			3
Alkyl Aceton	<u>م</u>	1	3	3	3	1	3			3



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

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Revision: GSG-100 6490 Rev.(AA)

- The information contained herein is general in nature and recommendations are valid only for Victaulic compounds.
 Gasket compatibility is dependent upon a number of factors. Suitability for a particular application must be determined by a competent individual familiar with system-specific conditions.
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Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.

Rating Code Key 1 Most Applications 2 Limited Applications 3 Restricted Applications Insufficient Data Chemical	Grade E (FPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Alkyl Alcohol	3	1	1	1	2	3			2
Alkyl Amine	2	1	1	1	2	3			2
Alkyl Aryl Sulfonates	3	1	1	1	2	1			2
Alkyl Aryl Sulfonics	3	1	1	1	2	1			2
Alkyl Benzene	3	2	2	2	3	1			2
Alkyl Chloride	3	2	2	2	3	3			2
Alkyl Sulfide	3	2	2	2	3	1			2
AlkyInaphthalene Sulfonic Acid	3	1	1	1	2	1			2
Allyl Alcohol		Со	ntact a	Victaul	ic Sale	s Repr	esenta	tive	
Allyl Chloride		Со	ntact a	Victaul	lic Sale	s Repr	esenta	tive	
Allylidene Diacetate		Со	ntact a	Victaul	lic Sale	s Repr	esenta	tive	
Alpha Picoline	1	3	3	3	2	3			2
Aluminum Acetate	1	2	2	2	2	3		3	3
Aluminum Bromide	1	1	1	1	1	1		1	1
Aluminum Chlorate	1	3	3	3	3	3			3
Aluminum Chloride	1	1	1	1	1	1		1	2
Aluminum Fluoride	1	1	1	1	1	1		1	2
Aluminum Formate	1	3	3	3	1	3			2
Aluminum Hydroxide	1	2	2	2	1	1			2
Aluminum Linoleate	3	1	1	1	2	1			2
Aluminum Nitrate	1	1	1	1	1	1		1	2
Aluminum Phosphate	1	1	1	1	1	1		1	2
Aluminum Potassium Sulfate	1	3	3	3	1	1			2
Aluminum Salts	1	1	1	1	1	1			1
Aluminum Sodium Sulfate	1	3	3	3	1	1			2
Aluminum Sulfate	1	1	1	1	1	1			1
Alums-NH3 -Cr -K	1	1	1	1	1	1			1

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

 are valid only Gasket comp a particular a familiar with Victaulic offee application. O gasket is sele Failure to follo 	ion contained herein is general in nature and recc y for Victaulic compounds. natibility is dependent upon a number of factors. S application must be determined by a competent in system-specific conditions. rs no warranties, expressed or implied, of a produ. Contact your Victaulic sales representative to ens ected for a particular service. ow these instructions could cause system fail nnal injury and property damage.	bility for dual n any the best								
	Pating Code Koy									
	Rating Code Key			ile H				S		
1	Most Applications			Nitr	ile)	> @		But	12 drin	
2	Limited Applications	Grade E (EPDM)	GRADE T (Nitrile)	/GF tted	Nie Nie Nie	GRADE V (Neoprene)	DE (ted N	⊒ A P	GRADE L
3	Restricted Applications	EPI	RAI	ST	RAI lite	RAI	RAI	RAI	hlor	BA
	Insufficient Data		0	RADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	ΩŚ	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	02
	Chemical			GRADE ST / GRADE (Hydrogenated Nitrile			H H	Ë	=	
Ambrex 33 &	k 830	3	1	1	1	2	1			3
Amines		2	3	3	3	3	3			3
Amines-Mixe	ed	2	3	3	3	2	3			2
Aminopyridin	ne	2	3	3	3	3	3			
Ammonia an	d Lithium Metal in Solution	2	2	2	2	3	3			3
Ammonia, Ar	nhydrous (Pure Ammonia)		Co	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Ammonia, Ad	queous (40% Max)	1	1	1	1	1	2		3	1
Ammonia, G	as, Cold	1	1	1	1	1	3			1
Ammonia, G	as, Hot	2	3	3	3	2	3			1
Ammonia, Li	quid (Anhydrous)	1	2	2	2	1	3			3
Ammonium A	Acetate	1	1	1	1	1	3			2
Ammonium A	Alum	1	1	1	1	1	1			
Ammonium A	Arsenate	1	3	3	3	1	3			2
Ammonium E	Benzoate	1	3	3	3	1	3			2
Ammonium E	Bicarbonate	1	3	3	3	1	3			2
Ammonium E	Bifluoride	1	1	1	1	3	1			
Ammonium E	Bisulfite	1	3	3	3	1	3			2
Ammonium E	Bromide	1	1	1	1	1	1			
Ammonium (Carbamate	1	3	3	3	3	3			2
Ammonium (Carbonate	1	3	3	3	1	1		2	
Ammonium (Chloride, 2N	1	1	1	1	1	1		1	
Ammonium (Citrate	1	3	3	3	1	3			2
Ammonium [Dichromate	1	3	3	3	1	3			2
Ammonium [Diphosphate	1	3	3	3	1	3			2
Ammonium F	Fluoride	1	1	1	1	1	1			1
Ammonium F	Formate	1	3	3	3	1	3			2
Ammonium	Hydroxide, 3 Molar	1	1	1	1	1	3			1

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

Revision: GSG-100 6490 Rev.(AA)

The information contained herein is general in nature and recommendations are valid only for Victaulic compounds.
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Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.

1 2 3 	Rating Code Key Most Applications Limited Applications Restricted Applications Insufficient Data Chemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Hydroxide, Concentrated	1	3	3	3	1	3		3	1
Ammonium le		1	1	1	1	1	1			
Ammonium L		 1	3	3	3	1	3			2
Ammonium N	Metaphosphate	1	3	3	3	1	3			2
Ammonium N	Molybdate	1	2	2	2	2	1			2
Ammonium N	Molybdenate	1	3	3	3	1	3			2
Ammonium N	Nitrate, 2N	1	1	1	1	1	1		1	
Ammonium N	Vitrite	1	1	1	1	1	1			2
Ammonium C	Dxalate	1	3	3	3	1	3			2
Ammonium F	Perchlorate	1	3	3	3	1	3			2
Ammonium F	Persulfate 10%	1	3	3	3	1	1			
Ammonium F	Phosphate	1	1	1	1	1	2		1	1
Ammonium F	Phosphate, Dibasic	1	1	1	1	1	1			1
Ammonium F	Phosphate, Mono-Basic	1	1	1	1	1	1		1	1
Ammonium F	Phosphate, Tribasic	1	1	1	1	1	1			1
Ammonium F	Phosphite	1	3	3	3	1	3			2
Ammonium F	Picrate	1	3	3	3	1	3			2
Ammonium F	Polysulfide	1	3	3	3	1	3			2
Ammonium S	Salicylate	1	3	3	3	1	3			2
Ammonium S	Salts	1	1	1	1	1	3			1
Ammonium S	Sulfamate	1	3	3	3	1	3			2
Ammonium S	Sulfate	1	1	1	1	1	3			
Ammonium S	Sulfate Nitrate	1	1	1	1	1	3			
Ammonium S	Sulfide	1	1	1	1	1	3			
Ammonium S	Sulfite	1	3	3	3	1	3			2
Ammonium T	Thiocyanate	1	3	3	3	1	3			2
Ammonium T	Thioglycolate	1	3	3	3	1	3			2



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Seal Selection Guide

SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

	et Chemical Services							~	icta	
	A WARNING		on: GS	G-100 6	6490 Re	ev.(AA)				
 Gasket comp a particular a familiar with Victaulic offe application. gasket is sei Failure to foll 	tion contained herein is general in nature and by for Victaulic compounds. patibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. ars no warranties, expressed or implied, of a Contact your Victaulic sales representative t lected for a particular service.	Suitability for individual duct in any nsure the best								
					1	1				
	Rating Code Key			ы Ш Ш				÷		
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)	e)	\	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	
2	Limited Applications	DM) E	ile)	/GF ated	DE /		DE 0 asto	Ted N	N×	DE L
3	Restricted Applications	Grade E (EPDM)	GRADE 7 (Nitrile)	ST	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O oroelaston	RAL	DAD	GRADE L (Silicone)
	Insufficient Data		0	ADE	β	02	Dul	alog	Б ы С	
	Chemical			(H) H) H)				E)		
Ammonium	Thiosulfate	1	3	3	3	1	3			2
Ammonium	Tungstate	1	3	3	3	1	3			2
Ammonium	Valerate	1	3	3	3	1	3			2
Amyl Acetat	e		Со	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Amyl Alcoho	bl		Со	ntact a	Victau	lic Sale	es Repr	esenta	tive	
Amyl Borate				ntact a			· · ·			
Amyl Butyra				ntact a						
Amyl Chloric				ntact a						
	naphthalene nic Aldehyde			ntact a						
Amyl Laurat	•			ntact a ntact a						
Amyl Merca				ntact a			•			
Amyl Naphth	•			ntact a						
Amyl Nitrate	•			ntact a						
Amyl Nitrite			Со	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Amyl Pheno	1		Со	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Amyl Propio	nate		Со	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Anderol, L- 8	826 (di-ester)	3	2	2	2	3	1			3
Anderol, L- 8	829 (di-ester)	3	2	2	2	3	1			3
	74 (di-ester)	3	2	2	2	3	1			3
,	ester Base) (TG749)	3	2	2	2	3	1			2
· ·	yceral Ester)	1	2	2	2	2	1			2
Aniline		3	3	3	3	3	3		3	3
Aniline Dyes		2	3	3	3	2	2			3
Aniline Hydr	ochioride	2	2	2	2	3	2 3			3
Aniline Oil			3	3	3	3				3



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

The information contained herein is general in nature and recommendations are valid only for Victaulic compounds. Gasket compatibility is dependent upon a number of factors. Suitability for a particular application must be determined by a competent individual familiar with system-specific conditions. Victaulic offers no warranties, expressed or implied, of a product in any application. Contact your Victaulic sales representative to ensure the best gasket is selected for a particular service. Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage. **Rating Code Key** Т GRADE ST / GRADE | (Hydrogenated Nitrile) GRADE M (Halogenated Butyl) GRADE M2 (Epichlorohydrin) 1 **Most Applications** GRADE O (Fluoroelastomer) GRADE A (White Nitrile) GRADE V (Neoprene) GRADE L (Silicone) Grade E (EPDM) GRADE T (Nitrile) 2 **Limited Applications** 3 **Restricted Applications Insufficient Data** ---Chemical Aniline Sulfite 2 -------Animal Oil (Lard Oil) 2 2 1 1 2 1 ---1 1 Anisole ------------------------AN-O-3 Grade M 2 ----2 --------1 1 AN-O-366 1 1 1 2 AN-O-6 1 1 3 1 2 ------------Ansul Ether 161 or 181 3 -----------2 2 2 Anthracene 1 --------2 Anthranilic Acid ---Anthraquinone Contact a Victaulic Sales Representative Anti-freeze Solutions 2 1 1 2 Antimony Chloride 3 1 1 2 ----3 Antimony Pentachloride 1 1 1 2 2 -----------Antimony Pentafluoride ---З 3 3 -----------2 ----Antimony Tribromide ---1 1 1 1 Antimony Trichloride 2 ----1 1 ---2 Antimony Trifluoride 1 1 ------Antimony Trioxide 3 1 2 1 ----3 н 1 ----2 AN-VV-O-366b Hydr. Fluid 1 1 ------------Aqua Regia 2 -------Arachidic Acid -----------------------------Argon -------1 1 2 Aroclor, 1248 1 -------Aroclor, 1254 1 ------Aroclor, 1260 1 1 1 1 1 1 -------1 Aromatic Fuel -50% 2 2 2 1 --------3 3 Arsenic Acid 1 1 1 ----1 1 1



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

		Revisi	on: GS	G-100	6490 Re	ev.(AA)				
are valid onl • Gasket comp a particular a familiar with • Victaulic offe application. gasket is sel Failure to foll	ion contained herein is general in nature and recommendation y for Victaulic compounds. atbillity is dependent upon a number of factors. Suitability for application must be determined by a competent individual system-specific conditions. rs no warranties, expressed or implied, of a product in any Contact your Victaulic sales representative to ensure the best lected for a particular service.									
	Pating Code Kay		1		1					1
	Rating Code Key			е ш				Ę		
1	Most Applications			Nitri	e)		GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	
2	Limited Applications	Ĩ€	le)	GH	Lit A	N Ene	DE C Istor	N N N N N N N N N N N N N N N N N N N	Ш М М М	DE L
3	Restricted Applications	Grade E (EPDM)	GRADE T (Nitrile)	ST /	RAD lite	GRADE V (Neoprene)	RAD oela	RAD enat	AD	GRADE L (Silicone)
	Insufficient Data		0	DE	GRADE A (White Nitrile)	σž	loul	alog(GF	0.
	Chemical			GRADE ST / GRADE H (Hydrogenated Nitrile)			Щ. Ш.	H)	E	
Arsenic Oxic	de	1	1	1	1	1	1		1	1
Arsenic Trick	hloride	3	1	1	1	1	3			
Arsenic Trio	xide	3	1	1	1	1	3			
Arsenic Tris	ulfide	3	1	1	1	1	3			
Ascorbic Aci	id	1	3	3	3	1	3			2
Askarel Trar	nsformer Oil	3	2	2	2	3	1			3
Aspartic Acid	d	1	3	3	3	1	3			2
Asphalt		3	2	2	2	2	1			3
ASTM Oil, N	lo. 1	3	1	1	1	1	1		3	1
ASTM Oil, N	lo. 2	3	1	1	1	2	1			3
ASTM Oil, N	lo. 3	3	1	1	1	3	1			3
ASTM Oil, N	lo. 4	3	2	2	2	3	1			3
ASTM Oil, N	lo. 5	3	1	1	1	2	1			
ASTM Refer	rence Fuel A	3	1	1	1	2	1		1	3
ASTM Refer		3	1	1	1	3	1		1	3
	rence Fuel C	3	2	2	2	3	1		3	3
ASTM Refer	rence Fuel D	3	2	2	2	3	1			
ATL-857		3	2	2	2	3	1			3
Atlantic Dom		3	1	1	1	2 2	1			3
Atlantic Utro	Gear-e	3	1	1	1	2	1			
Aure 903R (3	1	1	1	2	1			3
	ransmission Fluid	3	1	1	1	2	1			3
Automatic II		1	3	3	3	2	3			3
AXAREL 91		2				2	1			3
Bardol B		3	3	3	3	3	1			3
									1	



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

		Revisi	on: GS	G-100 6	6490 Re	ev.(AA)				
are valid only • Gasket comp a particular a familiar with • Victaulic offe application. (gasket is sel Failure to foll	tion contained herein is general in nature and ly for Victaulic compounds. patibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t lected for a particular service. Iow these instructions could cause system onal injury and property damage .	Suitability for individual duct in any ssure the best								
	Rating Code Key			-						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			ler)	utyl)	in)	
2	Limited Applications	Grade E (EPDM)	Ie)	/ GR/	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
3	Restricted Applications	EPC	GRADE (Nitrile)	ST	RAI	RAL	RAI oelá	RAC	AD	BAI
	Insufficient Data	00	0	ADE /droc	ΩŞ	ΩZ	Fluor	G lalog	Epic	69
	Chemical			Ч. Э. Э. Э. Э. Э. Э. Э. Э. Э. Э. Э. Э. Э.)	Ξ		
Barium Chlo	prate	1	3	3	3	1	1			2
Barium Chlo	oride	1	1	1	1	1	1		1	1
Barium Cyar	nide	1	1	1	1	1	1			1
Barium Hydr		1	1	1	1	1	1		1	1
Barium lodid		1	1	1	1	1	1			1
Barium Nitra		1	3	3	3	1	1			2
Barium Oxid		1	1	1	1	1	1			1
Barium Pero		1	3	3	3	1	3			2 2
Barium Polys Barium Salts		1	3	3	3	1	3 1			2
Barium Sulfa			1	1	1	1	1		1	1
Barium Sulfi			1	1	1	1	1		1	1
Bayol 35		3	1	1	1	2	1			3
Bayol D		3	1	1	1	2	1			3
Beer		1	1	1	1	1	1		1	1
Beet Sugar I	Liquids	1	1	1	1	1	1		1	
Benzaldehyd	de	1	3	3	3	3	3		3	2
Benzaldehyd	de Disulfonic Acid									
Benzamide		3	2	2	2	3	1			
Benzanthron	ne	3	2	2	2	3	3			
Benzene		3	3	3	3	3	3		3	3
Benzene He							3			
Benzene Su	Ilfonic Acid	3	3	3	3	2	1			3
Benzidine		3	2	2	2	3	1			
	Sulfonic Acid	3	2	2	2	3	1			
Benzil		3	2	2	2	3	1			

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

 Gasket comp a particular a familiar with Victaulic offer application. (y for Victaulic compounds. attibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t ected for a particular service.	duct in any									
Failure to folle serious perso	ow these instructions could cause system anal injury and property damage.	ailure, resulting in									
	Rating Code Key				т _®						
1	Most Applications				VDE litrile			ler)	utyl)	in)	
2	Limited Applications	L	[⊥] €	E T e)	ARA N be	≣ A itrile) ∋ne)	ston	≥¤	: M2 hydr	Ц
3	Restricted Applications		Grade E (EPDM)	GRADE (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L
	Insufficient Data	Ċ	5 <u></u>	д Ц	DE S roge	Ahid	G R G R	GH	GH oge	G.R. pich	Ц Ц Ц Ц Ц Ц
					Hyd			Ē	(Hal	E)	
	Chemical				Q_						
Benzine (Lig	roin)		3	1	1	1	2	1			3
Benzocatech	nol		3	2	2	2	3	1			
Benzochlorid	le		1	3	3	3	3	1			
Benzoic Acid	i		3	3	3	3	3	1			3
Benzoin			3	2	2	2	3	1			
Benzonitrile			1	3	3	3	1	3			2
Benzopheno	ne		2					3			
Benzoquinor	ne		2					1			
Benzotrichlo	ride		1	3	3	3	3	1			
Benzotrifluor			1	3	3	3	3	1			
Benzoyl Chlo			3	3	3	3	3	3			
Benzoyl Perc											
Benzoylsulfo			3	2	2	2	3	1			
Benzyl Aceta			1	3	3	3	1	3			2
Benzyl Alcoh			2	3	3	3	2	1		3	2
Benzyl Amin								3			
Benzyl Benzo Benzyl Brom			3 3	3 3	3 3	3 3	3 3	1			3
Benzyl Butyl			3 1	3	3	3	1	3			2
Benzyl Chlor			3	3	3	3	3	1			3
Benzyl Phen			3	2	2	2	3	3		3	
Benzyl Salicy			3	2	2	2	3	1			
Beryllium Ch			1	1	1	1	3	1			3
Beryllium Flu	ıoride		1	1	1	1	3	1			3
Beryllium Ox	ide		1	1	1	1	3	1			3
Beryllium Su	lfate		1	3	3	3	1				2
Bismuth Carl	bonata		1	3	3	3	1	1			2

Revision: GSG-100 6490 Rev.(AA)



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

	A WARNING		Revisio	n: GS	G-100 6	6490 Re	ev.(AA)				
are valid only • Gasket comp a particular a familiar with • Victaulic offer application. C gasket is sele Failure to follo	ion contained herein is general in nature an y for Victaulic compounds. adbibility is dependent upon a number of fact application must be determined by a compe system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative i lected for a particular service. ow these instructions could cause syste conal injury and property damage.	s. Suitability for t individual oduct in any ensure the best									
	Rating Code Key				-						
1	Most Applications				GRADE ST / GRADE H (Hydrogenated Nitrile)			L.	<u>ال</u> م	Ê	
				⊢_	RAC	GRADE A (White Nitrile)	> @	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	<u>ہ</u> ۔
2	Limited Applications		Grade E (EPDM)	GRADE T (Nitrile)	'/G atec	DE	GRADE V (Neoprene)	DE	DE	E P P	GRADE L (Silicone)
3	Restricted Applications		(EP	ARΩ NiN)	E ST gen	GRA /hite	GRA	GRA	Gen	chlo	GR/ Silis
	Insufficient Data				ADE	٦٤		Eluc	- Jalo	(Epi	
	Chemical				Ц Ц Ц Ц Ц Ц				L E	_	
Bismuth Nitra			1	3	3	3	1	3			2
Bismuth Oxy			1	3	3	3	1	3			2
Bittern								1			
Black Liquor			1	2	2	2	1	1			
Black Point 7	77		1	1	1	1	3	1		1	3
Black Sulfate	e Liquor		3	3	3	3	3	1			3
Blast Furnac	e Gas		3	3	3	3	3	1			1
Bleach Liquo	or		1	3	3	3	2	1			2
Bleach Solut	tions		1	3	3	3	3	1			3
Borax Solution	ons		1	1	1	1	1	1		1	3
Bordeaux Mi	ixture		1	2	2	2	2	1			2
Boric Acid			1	1	1	1	1	1		1	1
Boric Oxide			1	3	3	3	1	3		1	2
Borneol			3	2	2	2	3	3			
Bornyl Aceta			3	2	2	2	3	3			
Bornyl Chlori			3	2	2	2	3	1			
Bornyl Forma			3	2	2	2	3	1			
Boron Fluids Boron Trichlo	. ,		3	2 3	2 3	2 3	3 3	1			3
Boron Trifluo			3	3	3	3	3	1			
	DOT3 (Glycol Type)		1	3	3	3	2	3		3	3
Bray GG-130	())))		3	2	2	2	3	1			3
	R (VV-H-910)		1	3	3	3	2	3			2
	(MIL-L-6085A)		3	2	2	2	3	1		3	3
Brayco 910			1	2	2	2	2	3			3
Bret 710			1	2	2	2	2	3			3
Brine, salinity	F0/										



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Gasket Chemical Services Guide

SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

		Revis	on: GS	G-100 (6490 Re	ev.(AA)				
 are valid only Gasket comp a particular a familiar with Victaulic offer application. (gasket is selected) 	ion contained herein is general in nature and y for Victaulic compounds. atibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t ected for a particular service. ow these instructions could cause system	. Suitability for individual oduct in any insure the best								
serious perso	onal injury and property damage.									
	Rating Code Key			I_						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			ier)	utyl)	in)	
2	Limited Applications	ШŞ	е Н Ц	GRA ed N	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	ц П Ш
3	Restricted Applications	Grade E (EPDM)	GRADE ⁻ (Nitrile)	ST / enat	RAD ite N	SAD	GRADE O oroelaston	ADI	ADE	GRADE L (Silicone)
	Insufficient Data	0.6	19	DE	^{MG}	5 2 0	GF	Iloge	GR	20
				(Hyo			Ľ.	(He	Ű	
	Chemical			0 -						
Brom - 113		3	3	3	3	3				3
Brom - 114		3	2	2	2	2	3			3
Bromic Acid		1	3	3	3	1	1			2
Bromine Anh	nydrous liquid	3	3	3	3	3	1			3
Bromine Gas	8	3	3	3	3	3	2			3
Bromine Pen	ntafluoride	3	3	3	3	3	3			3
Bromine Trifl		3	3	3	3	3	3		3	3
Bromine Wat		2	3	3	3	3	3			3
Bromobenze		3	3	3	3	3	1		3	3
Bromobenze	•	1	3	3	3	1	3			2
	otrifluoroethane (Halothane)	3	3	3	3	3	1			3
Bromoform		3	2	2	2	3	1			
	ane (Methyl Bromide)	3	2	2	2	3	1			
	roethylene (BFE)						1			
Bromotrifluor Brucine Sulfa	romethane (F-13B1)						3 3			
Bunker Oil	ait	3		1	3 1	3	- 3 - 1		1	2
Bunker's "C"	' (Fuel Oil)		1	1	1		1			
Butadiene	····	3	3	3	3	3	3		3	3
Butane		3	1	1	1	1	1		1	3
Butane, 2, 2-	-Dimethyl	3	1	1	1	2	1			3
Butane, 2, 3-		3	1	1	1	2	1			3
Butene 2-Eth	nyl (1-Butene 2-Ethyl)	3	1	1	1	3	1			3
Butter-Anima	al Fat	1	1	1	1	2	1		1	2
Butyl Acetate	e or n-Butyl Acetate	3	3	3	3	3	3		3	3
Butyl Acetyl	Ricinoleate	1	2	2	2	2	1			
Butyl Acrylat	0	3	3	3	3	3	3			2

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

The informat are valid onl	WARNING ion contained herein is general in nature any y for Victaulic compounds. patibility is dependent upon a number of fact	ecommendations									
a particular a familiar with • Victaulic offe application. gasket is sel Failure to foll	application must be determined by a compel system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t lected for a particular service.	t individual oduct in any onsure the best									
serious perso	onal injury and property damage.										
	Rating Code Key										
1					GRADE ST / GRADE H (Hydrogenated Nitrile)			5	(jý		
	Most Applications			⊢	Niti	GRADE A (White Nitrile)	>€	Ome	But	drin drin	1
2	Limited Applications		Grade E (EPDM)	GRADE T (Nitrile)	/ GI	ЫЦ	GRADE V (Neoprene)	DE (asto	DEI	GRADE M2 bichlorohydr	GRADE L (Silicone)
3	Restricted Applications		Grac (EPI	(Nit	ST	iRA	IRA leop	RAI	RAI Jena	AL Ploi	Silic
	Insufficient Data			0	BRADE ST / GRADE H (Hydrogenated Nitrile)	ΩŽ	υĘ	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	00
	Chemical				GR/ H			=	E		
Butyl Alcoho	l		2	1	1	1	1	1			2
Butyl Alcoho	l (Secondary)		2	2	2	2	2	1			2
Butyl Alcoho	ol (Tertiary)		2	2	2	2	2	1			2
Butyl Amine	or N-Butyl Amine		3	3	3	3	3	3			3
Butyl Benzoa	ate		1	3	3	3	3	1			3
Butyl Benzol	late							3			
Butyl Benzyl	I Phthalate		1	3	3	3	1	3			3
Butyl Butyra	te or n-Butyl Butyrate		1	3	3	3	3	1			
Butyl Carbito	bl		1	3	3	3	3	3			3
Butyl Cellos	olve		2	3	3	3	3	3			
Butyl Celloso	olve Acetate		1	3	3	3	1	3			2
Butyl Cellos	olve Adipate		2	3	3	3	3	3			2
Butyl Chloric	de		3	1	1	1	2	1			2
Butyl Ether o	or n-Butyl Ether		3	3	3	3	3	3			3
Butyl Glycola	ate		1	3	3	3	1	3			2
Butyl Lactate	e		1	3	3	3	1	3			2
Butyl Laurat	e		1	3	3	3	1	3			2
Butyl Merca	ptan (Tertiary)		3	3	3	3	3	3			3
Butyl Methad	crylate		1	3	3	3	1	3			2
Butyl Oleate			2	3	3	3	3	1			
Butyl Oxalat	e		1	3	3	3	1	3			2
Butyl Pheno	1		3	3	3	3	3	3			
Butyl Phthal	ate		1	3	3	3	3	3			3
Butyl Steara			3	2	2	2	3	1			
Butylbenzoid	c Acid		3	2	2	2	3	1			
Butylene			3	2	2	2	3	1		1	3
Butyraldehyd	do		2	3	3	3	3	3			3

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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AWARNING

The information contained herein is general in nature and recommendations are valid only for Victaulic compounds. Gasket compatibility is dependent upon a number of factors. Suitability for a particular application must be determined by a competent individual familiar with system-specific conditions. Victaulic offers no warranties, expressed or implied, of a product in any application. Contact your Victaulic sales representative to ensure the best gasket is selected for a particular service. Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage. **Rating Code Key** Т GRADE ST / GRADE I (Hydrogenated Nitrile) GRADE M (Halogenated Butyl) 1 **Most Applications** GRADE O (Fluoroelastomer) GRADE M2 (Epichlorohydrin) GRADE A (White Nitrile) GRADE V (Neoprene) GRADE T (Nitrile) GRADE L (Silicone) Grade E (EPDM) 2 Limited Applications 3 **Restricted Applications Insufficient Data** ---Chemical Butyric Acid 2 ---Butvric Anhvdride --------2 1 Butyrolacetone 3 3 3 --------2 1 1 2 2 2 Butyryl Chloride -----------1 Cadmium Chloride 2 2 Cadmium Cyanide 1 1 -------2 Cadmium Nitrate 1 1 ------2 Cadmium Oxide 2 2 --------1 2 Cadmium Sulfate 1 1 2 Cadmium Sulfide 1 2 -------2 Calcine Liquors ----------1 1 1 Calcium Acetate 1 2 2 2 2 ------Calcium Arsenate 2 2 1 1 -------2 Calcium Benzoate 2 2 3 -----------1 2 Calcium Bicarbonate ------1 Calcium Bisulfate 1 1 1 1 1 1 ------2 Calcium Bisulfide 1 -------Calcium Bisulfite 2 2 2 2 ----2 4 ----Calcium Bromide 1 1 1 1 1 --------1 Calcium Carbide ------------------1 -------Calcium Carbonate 1 1 1 1 --------1 1 1 2 Calcium Chlorate 1 3 1 1 --------Calcium Chloride 1 1 1 1 1 ---1 1 Calcium Chromate 1 2 1 ---Calcium Fluoride 1 1 1 1 1 1 -------1 Calcium Gluconate 2 1 1 ---3 ----Calcium Hydride 1 -------1 1 1 1



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

The informat	ion contained herein is general in nature and re	mendations	on: GS	G-100 6	0490 ne	w.(AA)				
 are valid only Gasket compa particular a familiar with Victaulic offe application. gasket is sel Failure to foll 	y for Vicitaulic compounds. batibility is dependent upon a number of factors paplication must be determined by a competent system-specific conditions. rs no warranties, expressed or implied, of a pro- Contact your Vicitaulic sales representative to e lected for a particular service. ow these instructions could cause system f panal injury and property damage.	tability for vidual in any e the best								
	Rating Code Key			-						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			(L)	[Å]	Ê	
2			-	RAL	GRADE A (White Nitrile)	> (j	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	<u>،</u> ۲
	Limited Applications	Grade E (EPDM)	GRADE T (Nitrile)	_/G	Ц, С, С,	GRADE V (Neoprene)	GRADE O oroelaston	DE	DEL	
3	Restricted Applications	Gra (EF	N ^R	E ST gen	GR/	Neo	GRA Droe	3RA gen	chlo	GRADE L (Silicone)
	Insufficient Data			ADE	<u>ع</u>		U L	- Halo	(E pi	
	Chemical			L B T				L T	_	
Calcium Hyd		1	3	3	3	1	1			2
Calcium Hyd			1	1	1	1	1		1	1
Calcium Hyp			2	2	2	3	1		3	2
Calcium Hyp		1	3	3	3	1	3			2
Calcium Lac		1	3	3	3	1	1		2	2
Calcium Nap	bhthenate	1					1			1
Calcium Nitr	ate	1	1	1	1	1	1		1	2
Calcium Oxa	alate	1	3	3	3	1	3			2
Calcium Oxi	de	1	1	1	1	1	1			1
Calcium Per	manganate		1	1	1					
Calcium Phe	enolsulfonate	1	3	3	3	1	3			2
Calcium Pho	osphate	1	1	1	1	2	1			1
Calcium Pho	osphate Acid	1	3	3	3	1	1			2
Calcium Pro	•	1	3	3	3	1	3			2
	idine Sulfonate	1					1			1
Calcium Salt		1	1	1	1	1	1			2
Calcium Silic		1	1	1	1	1	1			2
Calcium Ste		3	2 2	2	2 2	3	1			
Calcium Sulf		3	3	3	3	3	1			2
Calcium Sulf			1	1	1	1	1		3	2
Calcium Sulf			1	1	1	1	1			1
Calcium Thic		1	3	3	3	1	1			2
Calcium Thio		1	2	2	2	1	1			1
Calcium Tun		1	3	3	3	1	1			2
Caliche Liqu	-	1	1	1	1	1	1			2
Camphene		3	2	2	2	3	1			



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

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are valid only • Gasket comp a particular a familiar with • Victaulic offee application. (gasket is sel Failure to follow	ion contained herein is general in nature and recomm y for Victaulic compounds. atibility is dependent upon a number of factors. Suital application must be determined by a competent indivic system-specific conditions. rs no warranties, expressed or implied, of a product in Contact your Victaulic sales representative to ensure l ected for a particular service. ow these instructions could cause system failure, and injury and property damage.	lity for lal any e best								
	Deline Code Key									
	Rating Code Key			Щ Н Н				€		
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)	le)	20	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	
2	Limited Applications	Grade E	GRADE T (Nitrile)	/GF	GRADE A (White Nitrile)	GRADE V (Neoprene)	DE (asto	DEN	GRADE M2 bichlorohydr	DEL
3	Restricted Applications	Grac	IN I	ST	hite	iRAI leop	RAI	BAI	RAD	GRADE L
	Insufficient Data			dro(S⊓	02	Eluo	alog	Б Ы С	0~
	Chamical			LAB/			=	E		
0	Chemical									
Camphor	Anid	3	2 2	2	2	3	1			
Camphoric A Cane Sugar		3	1	1	1	3	1		1	1
Capric Acid		3	1	1	1	2	1			2
Caproic Acid	1	3	1	1	1	2	1			2
Caproic Alde		2	3	3	3	2	3			3
Caprolactam		3	1	1	1	2	3			2
Capronaldeh	nyde	3	1	1	1	2	3			2
Caprylic Acid	d		3	3	3		2			
Carbamate		2	3	3	3	2	1			
Carbitol		2	2	2	2	3	3			3
Carbolic Acid	d (Phenol)	2	3	3	3	3	1		3	3
Carbon Bisu	lfide	3	3	3	3	3	1		3	3
Carbon Diox	ide (Explosive Decompression Use)	1	1	1	1	1	1			3
Carbon Diox	ide, Dry	1	1	1	1	1	1		1	3
Carbon Diox		1	1	1	1	2	1		1	3
Carbon Disu		3	3	3	3	3	3			3
Carbon Fluo		3	2	2	2	3	1			3
Carbon Mon		1	1	1	1	2	1		1	1
Carbon Tetra		3	3	3	3	3 3	1		3	3
Carbonic Aci				1	3 1		1			
Carbonic Aci		1	3	3	3	1	1			2
Castor Oil		2	1	1	1	1	1		1	1
Caustic Lime	9	1	3	3	3	1	1		1	2
Caustic Pota	•	1	3	3	3	1	2		2	2
								1		



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

Failure to folle	ected for a particular service. ow these instructions could cause syste onal injury and property damage.	re, resulting in								
	Rating Code Key			II a						
1	Most Applications			VDE litrile			ler)	utyl)	in)	
2	Limited Applications	ш _я	GRADE T (Nitrile)	GR/ Sd N	E A itrile	GRADE V (Neoprene)	ston 0	≥ ^b	hydr	Э Ш
3	Restricted Applications	Grade E (EPDM)	litril	T/	te N	(ADI	GRADE O oroelaston	ADF	ADE	GRADE L (Silicone)
	Insufficient Data	QŪ	U U U	DE S Loge	GRADE A (White Nitrile)	Re	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	LP IO
	Chemical			GRADE ST / GRADE H (Hydrogenated Nitrile)			(FI	(Ha) E	
Cellosolve		2	3	3	3	3	3			3
Cellosolve A	cetate	2	3	3	3	3	3			3
Cellosolve B	utyl	2	3	3	3	3	3			3
Celluguard		1	1	1	1	1	1			1
Cellulose Ac	etate	1	3	3	3	1	3			2
Cellulose Ac	etate Butyrate	1	3	3	3	1	3			2
Cellulose Eth	ner	1	3	3	3	1	3			2
Cellulose Nit	rate	1	3	3	3	1	3			2
Cellulose Tri	propionate	1	3	3	3	1	3			2
Cellulube 90	, 100, 150, 220, 300, 500, 550	1	3	3	3	3	1			1
Cellutherm 2	505A	3	2	2	2	3	1			3
Cerium Sulfa	ate	1	3	3	3	1	3			2
Cerous Chlo	ride	1	3	3	3	1	3			2
Cerous Fluor	ride	1	3	3	3	1	2			2
Cerous Nitra	te	1	3	3	3	1	2			2
Cetane (Hex	adecane)	3	1	1	1	2	1			3
Cetyl Alcoho	1	3	1	1	1	2	1			2
	Oil, Tung Oil	3	1	1	1	2	1			3
Chloral / Chl	oral Hydrate		Со	ntact a	Victau	lic Sale	es Repr	esenta	tive	
Chloranthrag	quinone	3	2	2	2	3	1			
Chlordane		3	2	2	2	3	1			3
Chlorextol		3	2	2	2	2	1		3	3
Chloric Acid		1	3	3	3	1	3			2
Chloric Acid		1	3	3	3	2	3			2
	Solvents, Dry	3	3	3	3	3	1			3
	Solvents, Wet	3	3	3	3	3	1			3

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

Revision: GSG-100 6490 Rev.(AA)

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Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.

	Rating Code Key			I.						
1	Most Applications			\DE litrile			ler)	utyl)	in)	
2	Limited Applications	ш _Э	е Ш	GR/ M be	E A litrile) ene	E O	₽ª	hydr	ле) Пе
3	Restricted Applications	Grade E (EPDM)	GRADE T (Nitrile)	ST / enat	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	00	19	DE	5 S	ΰž	Inor	Iloge	GH	120
	Chemical			GRADE ST / GRADE H (Hydrogenated Nitrile)			E)	(He	Ű	
Chlorine Diox	kide, 8% Cl as NaClO2 in solution	3	3	3	3	3	3			
Chlorine Gas	s (Dry)	3	3	3	3	3	1		3	3
Chlorine Gas	; (Wet)	3	3	3	3	3	3		3	3
Chlorine Liqu	iid (Dry)	3	3	3	3	3	1		3	3
Chlorine Liqu	uid (Wet)	3	3	3	3	3	3		3	3
Chlorine Trifl	uoride	3	3	3	3	3	3		3	3
Chlorine Wat	er 50ppm max.	2	3	3	3	3	3			
Chlorine Wat	er 5ppm max.	1	3	3	3	3	3			
Chloro 1-Nitr	o Ethane (1-Chloro 1-Nitro Ethane) F	ory 3	3	3	3	3	3			3
Chloro Xylen	ols	3	2	2	2	3				
Chloroacetal	dehyde	1	3	3	3	1	3			2
Chloroacetic	Acid	2	3	3	3	3	3			
Chloroacetor	ne	1	3	3	3	3	3			3
Chloroamino	Benzoic Acid	1	3	3	3	1	3			2
Chloroaniline)	1	3	3	3	1	3			2
Chlorobenza	Idehyde	1	3	3	3	1	3			2
Chlorobenze	ne Chloride	3	2	2	2	3	1			
Chlorobenze	ne Trifluoride	3	2	2	2	3	1			
Chlorobenze	ne, Mono, Di, Tri	3	3	3	3	3	1		3	3
Chlorobenzo	chloride	3	2	2	2	3	1			
Chlorobenzo	trifluoride	3	2	2	2	3				
Chlorobromo	methane		Со	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Chlorobromo	propane	3	2	2	2	3	1			
Chlorobutadi	ene	3	3	3	3	3	1			3
Chlorobutane	e (Butyl Chloride)	3	1	1	1	2	1			2
Chlorododec	ane	3	3	3	3	3	1			3
Chloroethane	9	3	1	1	1	2	1		3	2



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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 are valid only Gasket comp a particular a familiar with Victaulic offee application. (gasket is sel Failure to following 	EWARNING ion contained herein is general in nature and recommend y for Victaulic compounds. patibility is dependent upon a number of factors. Suitability application must be determined by a competent individual system-specific conditions. rs no warranties, expressed or implied, of a product in an Contact your Victaulic sales representative to ensure the l lected for a particular service. ow these instructions could cause system failure, res sonal injury and property damage.	y for y best			9490 116	(,,,,)				
	Rating Code Key			In						
1	Most Applications			DE l			er)	utyl)	Ê	
2	Limited Applications	шę	μ ₍₎	ARA Ni	GRADE A (White Nitrile)) (j	GRADE O (Fluoroelastomer)	dBu	GRADE M2 Epichlorohydrin)	Ц Ш
3	Restricted Applications	Grade E (EPDM)	GRADE T (Nitrile)	T / C nate	ADE e Ni	GRADE V (Neoprene)	GRADE O oroelaston	ADE	GRADE M2 oichlorohydr	GRADE L (Silicone)
		Р.Ш.	ц Ц Ц С Ц С Ц С	E S oge	Shit	Uer RB	GR	GR	GR/	GH Si
	Insufficient Data Chemical			GRADE ST / GRADE H (Hydrogenated Nitrile)	E		(Flu	GRADE M (Halogenated Butyl)	Ц Ш	
Chloroethan	e Sulfonic Acid	1	3	3	3	1	3			2
Chloroethylb	penzene	3	2	2	2	3	1			
Chloroform		3	3	3	3	3	2			3
Chlorohydrin	1	1	3	3	3	1	1			2
Chlorometha	ane (Methyl Chloride)	3	3	3	3	3	3			3
Chloronapht	halene or o-Chloronaphthalene	3	3	3	3	3	1			3
Chloronitrob	enzene	1	3	3	3	1	3			2
Chlorophenc	ol or o-Chlorophenol	3	3	3	3	3	3			3
Chloropicrin		3	2	2	2	3	3			
Chloroprene		3	2	2	2	3	3			
Chlorosilane	'S									
Chlorosulpho	onic Acid		Co	ntact a	Victau	lic Sale	s Repr	esenta	tive	1
Chlorotoluen	ne	3	3	3	3	3	1			3
Chlorotoluen	ne Sulfonic Acid	1	3	3	3	1	3			2
Chlorotoluidi	ine	3	2	2	2	3	3			
Chlorotrifluor	roethylene (CTFE)						3			
Chlorox		2	2	2	2	3	1		1	2
Chloroxylols							3			
Cholesterol		3	2	2	2	3	1			
Chrome Alur	m	1	1	1	1	1	1			1
Chrome Plat	ting Solutions	2	3	3	3	3	1			2
Chromic Acid	d	3	3	3	3	3	1			3
Chromic Acid	d, to 25%	1	3	3	3	3	1			3
Chromic Oxi	ide	2	3	3	3	3	1			
Chromium P	Potassium Sulfate (Alum)	2	2	2	2		1			1
Cinnamic Ac	sid	3	2	2	2	3	1			
Cinnamic Ald	· · ·	3	2	2	2	3	1	1	1	



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Claskel	t Chemical Services Gui								icts	
	AWARNING	Revisio	on: GS	G-100 f	6490 Be	ev.(AA)				
are valid only • Gasket compa a particular a familiar with s • Victaulic offer application. C gasket is sele Failure to folic	an contained herein is general in nature and recomme for Victaulic compounds. atibility is dependent upon a number of factors. Suitab pplication must be determined by a competent individ, system-specific conditions. s no warranties, expressed or implied, of a product in Contact your Victaulic sales representative to ensure th scied for a particular service. we these instructions could cause system failure, r nal injury and property damage.	dations ity for al iny 5 best								
	Rating Code Key			In						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			ler)	GRADE M (Halogenated Butyl)	in)	
2	Limited Applications	ШЭ	е́ц	GR/ N be	E A litrile	E <	E O	₽ ^D	hydr M2	ы Пе)
3	Restricted Applications	Grade E (EPDM)	GRADE ⁻ (Nitrile)	ST / enat	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	ADI	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	69	19	DE 9	^g Ag	ΰŽ	Inore	Iloge	G B C B	190
				(Hyc			Ľ.	(Ha	U U	
	Chemical			0						
Cinnamic Ald	lehyde	3	2	2	2	3	3			
Circo Light P	rocess Oil	3	1	1	1	2	1			3
Citric Acid		1	1	1	1	1	1		1	1
•	#65 #120 #250	3	1	1	1	2	1			3
•	Koolmoter-AP Gear Oil 140-EP Lube	3	1	1	1	2	1			3
Clorox	Pacemaker #2	2	1	1	1	2	1			3
Coal Tar		[_]	1	1	1	3	1		3	3
Cobalt Chlori	de	1	1	1	1	1	1			3
Cobalt Chlori		1	1	1	1	1	1			2
Cobaltous Ac		1	3	3	3	1	3			2
Cobaltous Br	omide	1	1	1	1	1	1			1
Cobaltous Lir	noleate	1					1			
Cobaltous Na	aphthenate	1					1			
Cobaltous Su	Ilfate	1	3	3	3	1	2			2
Coca-Cola		1	1	1	1	2	2			1
Coconut Oil		3	1	1	1	3	1			1
Cod Liver Oil		1	1	1	1	2	1			2
Codeine		3	2	2	2	3	1			
Coffee		1	1	1	1	1	1			1
Coke Oven G		3	3	3	3	3	1			2
Coliche Lique	DIS	2	2	2	2	1				
Convelex 10	DED 2ED 408 4EA (Moncente)		3	3	3	3 2	1			3
Coolanol 20 2	25R 35R 40& 45A (Monsanto)	3	1 2	1 2	1 2	2	1			3
	ionium Acetate	1	3	3	3	2	3			2
										2

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

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The information contained herein is general in nature and recommendations are valid only for Victaulic compounds.
 Gasket compatibility is dependent upon a number of factors. Suitability for a particular application must be determined by a competent individual familiar with system-specific conditions.
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Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.

1 2 3 	Rating Code Key Most Applications Limited Applications Restricted Applications Insufficient Data Chemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Copper Chlor	ide	1	1	1	1	2	1			1
Copper Cyan	ide	1	1	1	1	1	1			1
Copper Fluor	ide	1	1	1	1	1	2			
Copper Gluco	onate	1	3	3	3	1				2
Copper Naph	thenate						1			
Copper Nitrat	le	2	2	2	2		1			
Copper Oxide	9	1	1	1	1	1	1			1
Copper Platir	ng Solution	1	1	1	1	2	1			3
Copper Platir	ng Solution, Acid	1	3	3	3	1	1			3
Copper Salts		1	1	1	1	1	1			1
Copper Sulfa	te	1	1	1	1	1	1			1
Corn Oil		3	1	1	1	3	1		1	1
Corn Starch,	Slurry	1	1	1	1	3	1			3
Corn Syrup		1	1	1	1	1	1			1
Cottonseed C	Dil	2	1	1	1	3	1		1	1
Creosote, Co	al Tar	3	1	1	1	2	1		3	3
Creosote, Wo	ood Tar	3	1	1	1	2	1		3	3
Cresol (Methy	yl Phenol)	3	3	3	3	3	1			3
Cresols		3	3	3	3	3	1			3
Cresylic Acid		3	3	3	3	3	1			3
Crotonaldehy	rde	3	2	2	2	3	3			
Crotonic Acid		3	2	2	2	3	3			
Cumaldehyde	9	3	2	2	2	3	1			
Cumene		3	3	3	3	3	1			3
Cupric Sulfide	e		1	1	1		1			
Cutting Oil		3	1	1	1	2	1			3
Cyanides		1								

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

	A WARNING		Revisio	n: GS	G-100 (6490 Re	ev.(AA)				
are valid only • Gasket comp a particular a familiar with • Victaulic offer application. (gasket is sel Failure to follo	ion contained herein is general in nature and y for Victaulic compounds. atibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t lected for a particular service. ow these instructions could cause system onal injury and property damage.	s. Suitability for nt individual roduct in any ensure the best									
						_					
	Rating Code Key				H (
1	Most Applications				GRADE ST / GRADE H (Hydrogenated Nitrile)			er)	ltyl)	Ê	
2	Limited Applications		ШĘ	⊢ 	d Ni	trile)	⇒î	0 ^m	BL	M2 Vdri	ے آ
			Grade E (EPDM)	GRADE T (Nitrile)	T/G nate	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	GRADE L (Silicone)
3	Restricted Applications		Ъ.	Ч Ч С Ц	E S.	CBR,	GR	GR/	GR/	GRA	G H IS
	Insufficient Data				3AD Iydr	S		(Flu	Halo	(Ep	
	Chemical				명민						
Cyanogen C	hloride		3	3	3	3	3	3			
Cyanogen G			1	3	3	3	3	3			3
Cyclohexane	9		3	1	1	1	3	1			3
Cyclohexand	bl		3	2	2	2	2	1			3
Cyclohexand	one		2	3	3	3	3	3		3	3
Cyclohexene	9		3	2	2	2	3	3			
Cyclohexylar	mine		3	1	1	1	2	3			2
Cyclohexylar	mine Laurate		3	1	1	1	2	1			2
Cyclopentad	liene		3	2	2	2	3	3			
Cyclopentan	e		3	1	1	1	3	1			3
Cyclopolyole	efins		3	1	1	1	3	3			3
Cymene or p	o-Cymene		3	3	3	3	3	1			3
DDT (Dichlor	rodiphenyltrichloroethane)		3	2	2	2	3	1			
Decalin			3	3	3	3	3	1			3
Decane			3	1	1	1	1	1			2
Deionized W	/ater (DI Water)		1	1	1	1	1	2			2
Delco Brake	Fluid		1	3	3	3	2	3			3
Denatured A	lcohol		1	1	1	1	1	1		1	1
	Vater Solution		1	1	1	1	2	1			1
	Fluids (Photo)		2	1	1	1	1	1			1
Dexron			3	1	1	1	2	1			3
Dextrin			3	1	1	1	2	1			2
Dextro Lactio	c Acid		1	3	3	3	1	3			2
Dextron			3	1	1	1	2	1			3
Dextrose			1	3	3	3	1	3			2
Diacetone			1	3	3	3	3	3			3
Diacetone A	lcohol		1	3	3	3	2	3		3	3



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

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Rating Code Key1Most Applications2Limited Applications3Restricted ApplicationsInsufficient DataChemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Dialkyl Sulfates	1	3	3	3	1	3			2
Diamylamine	1	1	1	1	2	3			2
Diazinon	3	3	3	3	3	3			3
Dibenzyl (sym-Diphenylethane)	3	2	2	2	3	3			
Dibenzyl Ether	2	3	3	3	3	3		3	
Dibenzyl Sebacate	2	3	3	3	3	2			3
Dibromoethane	3	2	2	2	3	2			
Dibromoethyl Benzene (Alkazene)	3	3	3	3	3	2			3
Dibutyl Cellosolve Adipate	1	3	3	3	1	3			2
Dibutyl Ether	3	3	3	3	3	3			3
Dibutyl Methylenedithio Glycolate	3	2	2	2	3	1			
Dibutyl Phthalate	2	3	3	3	3	3		3	2
Dibutyl Sebacate	2	3	3	3	3	2		3	2
Dibutyl Thioglycolate	3	2	2	2	3	1			
Dibutyl Thiourea	3	2	2	2	3	1			
Dibutylamine	1	3	3	3	3	3			3
Dichloroacetic Acid	3	2	2	2	3	3			
Dichloroaniline	1	3	3	3	1	3			2
Dichlorobenzene or o-Dichlorobenzene	3	3	3	3	3	1			3
Dichlorobenzene or p-Dichlorobenzene	3	3	3	3	3	1			3
Dichlorobutane	3	2	2	2	3	1			3
Dichlorobutene	3	2	2	2	3	3			
Dichlorodifluoromethane (dry)	3	1	1	1	1	3		1	3
Dichlorodifluoromethane (wet)	2	3	3	3	3	3			3
Dichlorodiphenyl-Dichloroethane (DDD)	3	2	2	2	3	1			
Dichloroethane	3	2	2	2	3	1			
Dichloroethylene	3	2	2	2	3	1			



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

are valid only • Gasket comp a particular a familiar with • Victaulic offee application. C gasket is sele Failure to follo	AWARNING on contained herein is general in nature and recommeny for Victaulic compounds. atibility is dependent upon a number of factors. Suitabi application must be determined by a competent individu system-specific conditions. rs no warranties, expressed or implied, of a product in a Contact your Victaulic sales representative to ensure the acted for a particular service. ow these instructions could cause system failure, r onal injury and property damage.	dations ity for al iny 5 best	on: GS		6490 Re	ev.(AA)				
1 2 3 	Most Applications Limited Applications Restricted Applications Insufficient Data Chemical	Grade E (FPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Dichlorohydr	in	1	3	3	3	1	3			2
Dichloroisop	ropyl Ether	3	3	3	3	3	3			3
Dichlorometh	nane (Methylene Chloride)	3	2	2	2	3	3			
Dichloropher	าดไ	3	2	2	2	3	3			
Dichloropher	noxyacetic Acid	3	2	2	2	3	1			
Dichloroprop	ane	3	2	2	2	3	1			
Dichloroprop	ene	3	2	2	2	3	3			
Dicyclohexyl	amine	3	3	3	3	3	3			2
Dicyclohexyl	ammonium Nitrate	1	3	3	3	1	3			2
Dieldrin		3	2	2	2	3	3			
Diesel Oil		3	1	1	1	3	1		1	3
Di-ester Lubr	ricant MIL-L-7808	3	2	2	2	3	1			3
Di-ester Synt	thetic Lubricants	3	2	2	2	3	1			3
Diethanolam	ine (DEA)	1	3	3	3	1	3			2
Diethyl Benz	ene	3	3	3	3	3	1			3
Diethyl Carbo	onate	1	3	3	3	1	3			2
Diethyl Ether	r	3	3	3	3	3	3			3
Diethyl Phtha	alate	3	2	2	2	3	3			
Diethyl Seba	icate	2	2	2	2	3	3			2
Diethyl Sulfa	te	1	3	3	3	3	3			2
Diethylamine		2	2	2	2	2	3			2
Diethylaniline	9	1	3	3	3	1	3			2
Diethylene G	lycol	1	1	1	1	1	1		1	2
Diethylenetri	amine	1	3	3	3	3	3			3
Difluorodibro	momethane	2	3	3	3	3				3
Difluoroethar	ne	3	2	2	2	3	3			
		3			-				1	



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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AWARNING

 Victaulic offe application. (gasket is sel Failure to foll 	system-specific conditions. rs no warranties, expressed or implied, of a product in Contact your Victaulic sales representative to ensure the lected for a particular service. Iow these instructions could cause system failure, small injury and property damage.	e best								
	Rating Code Key			I_						
1	Most Applications			BRADE ST / GRADE H (Hydrogenated Nitrile)			er)	ityl)	Ê	
2	Limited Applications	шę	۲ س	GRADE ST / GRADE (Hydrogenated Nitrile	GRADE A (White Nitrile)	⊃(î	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	e L
3		Grade E (EPDM)	GRADE ⁻ (Nitrile)	T / C	e Ni	GRADE V (Neoprene)	ADE	ADE	GRADE M2 oichlorohydr	GRADE L (Silicone)
3	Restricted Applications	L D D	R R R R	E S.	CB	GR	GR, loro	GR/ oger	GRA ichl	GR
	Insufficient Data			AD	5		(Flu	Halo	Ep (Ep	
	Chemical			명민						
Diglycol Chlo	proformate	1	3	3	3	1	3			2
Diglycolic Ac		1	3	3	3	1	3			2
	phenylsulfone	1	3	3	3	1	3			2
Diisobutyl Ke	etone	1	3	3	3	3	3			3
Diisobutylca	rbinol	3	1	1	1	2	1			2
Diisobutylen	e	3	2	2	2	3	1			3
Diisooctyl Se	ebacate	3	3	3	3	3	2			3
Diisopropano	olamine	1	3	3	3	3	3			
Diisopropyl E	Benzene	3	3	3	3	3	1			
Diisopropyl k	Ketone	1	3	3	3	3	3			3
Diisopropylic	dene Acetone (Phorone)	3	3	3	3	3	3			3
Dimethyl Ace	etamide	1	3	3	3	1	3			2
Dimethyl Ani	iline (Xylidine)	2	3	3	3	3	3			3
Dimethyl Dis	sulfide (DMDS)	3	1	1	1	2	1			2
Dimethyl Eth	ner	2	1	1	1	3	3			1
Dimethyl For	rmaldehyde	1	3	3	3	1	3			2
Dimethyl For	rmamide (DMF)	2	2	2	2	3	3			2
Dimethyl Hy	drazine	1	3	3	3	1	3			2
	enyl Carbinol	3	2	2	2	3	1			
Dimethyl Pho	enyl Methanol	3	2	2	2	3	1			
Dimethyl Phi		2	3	3	3	3	2			
-	lfoxide (DMSO)	1	3	3	3	1	3			2
	rephthalate (DMT)	3	2	2	2	3	2			3
Dimethylami		1	2	2	2	2	3			2
Dinitrochloro		3	2	2	2	3	1			3
	ne (DNT)	3	3	3	3	3	3			3

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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R 1 2 3 8	Aating Code Key Most Applications Limited Applications Restricted Applications Insufficient Data			т						
2	Limited Applications Restricted Applications							_		
	Restricted Applications			AD E litrik			ler)	utyl	j.	
3	Restricted Applications	Ξ	н ш	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	Ц Ц Ц
		Grade E (EPDM)	GRADE ⁻ (Nitrile)	sT / (tADF te N	ADF	GRADE oroelast	ADE	ADE	GRADE L (Silicone)
	insuncient Data	ΔĒ	5	о Geo	Rhi	В С В В В В	GH	GB	G.R.	Ц Ц Ц S S
				A A A A A A			Ē	(Hal	<u> </u>	
	Chemical			99 C						
Dioctyl Sebacat	te	2	3	3	3	3	2		3	3
Dioctylamine		3	1	1	1	2	3			3
Dioxane		2	3	3	3	3	3			3
Dioxolane		2	3	3	3	3	3			3
Dipentene		3	2	2	2	3	1			3
Diphenyl		3	3	3	3	3	1			3
Diphenyl Oxide	95	3	3	3	3	3	1			3
Diphenylamine	(DPA)	3	2	2	2	3	3			
Diphenylpropar	ne	3	2	2	2	3	3			
Dipropylene Gly	ycol	1	1	1	1	1	1			
Disodium Phos	phate	1	1	1	1	1	1			
Divinyl Benzene	e	3	3	3	3	3	1			3
Dodecyl Alcoho		1	1	1	1	1	3			
Dodecylbenzen	ne	3	2	2	2	3	1			
Dow Chemical	50-4	1	3	3	3	2	3			
Dow Chemical	ET378	3	3	3	3	3	3			3
Dow Chemical	ET588	 1	3	3	3	2	3			
Dow Corning -1		1	2	2	2	1	1			2
	208, 4050, 6620, F-60, XF-60	 1	1	1	1	1	1			3
	1265 Fluorosilicone Fluid	1	2	2	2	1	1			1
Dow Corning -2		1	2	2	2	1	1			3
Dow Corning -2		1	1	1	1	1	1			3
Dow Corning -3		1	2	2	2	1	1			2
Dow Corning -3		1	2	2	2	1	1			3
Dow Corning -4		1	2	2	2	1	1			2
Dow Corning -4		1	2 2	2 2	2 2	1	1			3 3



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

serious perso	ow these instructions could cause syste onal injury and property damage.									
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
	Rating Code Key			Ξ						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			ler)	GRADE M (Halogenated Butyl)	in)	
2	Limited Applications	٣	н Ш	ARP N De	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	Z₩	GRADE M2 Epichlorohydrin)	Ц
3	Restricted Applications	Grade E (EPDM)	GRADE T (Nitrile)	T / C	te N	opre	GRADE O oroelaston	ADE	ADE	GRADE L
		l ⊕ Ü	5	S E S	GH	(NG R	GR	GB	GR/ oich	Ц Ц Ц Ц
	Insufficient Data			Add			Ξ.	Hal	Ű	
	Chemical			19 F						
Dow Corning	g -510	1	2	2	2	1	1			3
Dow Corning	g -55	1	2	2	2	1	1			3
Dow Corning	g -550	1	2	2	2	1	1			3
Dow Corning	g -704	1	2	2	2	1	1			3
Dow Corning	g -705	1	2	2	2	1	1			3
Dow Corning	g -710	1	2	2	2	1	1			3
Dow Corning	g F-61	1	1	1	1	1	1			3
Dow Guard		1	1	1	1	1	1			1
Dowanol P		1	3	3	3	3	3			3
Dowtherm A		3	3	3	3	3	1			3
Dowtherm E		3	3	3	3	3	1			3
Dowtherm S	R-1	1	1	1	1	1	1			3
Dowtherm, 2		1	3	3	3	3	3			3
Dry Cleaning	-	3	3	3	3	3	1			3
DTE 20 Seri		3	2	2	2	1	1			3
	series, Mobil, light-heavy	3	1	1	1	2	1			3
Elco 28-EP I		3	1	1	1	3	1			2
Epichlorohyo		2	3	3	3	3	3			3
Epoxy Resir Esam-6 Flui		1	3 3	3	3	1	3 3			
Esso Fuel 20		3	- 3 - 1	3 1	ی 1	2	3 1			3
Esso Golder		3	2	2	2	3	1			3
Esso Motor		3	1	1	1	3	1			3
	nission Fluid (Type A)	3	1	1	1	2	1			3
	12 (MIL-L-7808A)	3	1	1	1	3	1			3
	EP Lubricant	3	1	1	1	2	1			3
Esstic 42, 43		3	1	1	1	2	1			3

Revision: GSG-100 6490 Rev.(AA)



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

	AWARNING		on: GS	G-100 6	6490 Re	ev.(AA)				
 are valid only Gasket comp a particular a familiar with Victaulic offer application. (ion contained herein is general in nature and recommendation y for Victaulic compounds. patibility is dependent upon a number of factors. Suitability for application must be determined by a competent individual system-specific conditions. rs no warranties, expressed or implied, of a product in any Contact your Victaulic sales representative to ensure the best ected for a particular service.	s								
Failure to follo serious perso	ow these instructions could cause system failure, resultin onal injury and property damage.	g in								
	Rating Code Key			II.						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			ler)	utyl)	i)	
2	Limited Applications	Ξœ	E) T	GR/ GR/	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
3	Restricted Applications	Grade E (EPDM)	GRADE 7 (Nitrile)	ST / enat	RAD lite N	RAD	RAD oela	RAD enat	ADF	RAD
	Insufficient Data		0	VDE drog	Qم م	σž		alog	Epicl	00
	Chemical			(Hy (Hy			E E	E		
Ethane	Chemica	3	1	1	1	2	1			3
Ethanol		1	3	3	3	1	2		2	2
Ethanolamin	e	1	2	2	2	2	3		2	2
Ethers		3	3	3	3	3	3			3
Ethoxyethyl /	Acetate (EGMEEA)	1	3	3	3	1	3			2
Ethyl Acetate	9	2	3	3	3	3	3		3	2
Ethyl Acetoa	icetate	2	3	3	3	3	3		2	2
Ethyl Acrylat	e	2	3	3	3	3	3		3	2
Ethyl Acrylic	Acid	2	3	3	3	2	3			3
Ethyl Alcoho	1	1	3	3	3	1	2		2	2
Ethyl Amines	5	1	3	3	3	2	3		3	3
Ethyl Benzer	ne	3	3	3	3	3	1		3	3
Ethyl Benzoa		3	3	3	3	3	1			3
Ethyl Bromid		3	2	2	2	3	1			3
Ethyl Celloso		2	3	3	3	3	3			3
Ethyl Cellulo Ethyl Chlorid		2	2	2	2	3	3		2	2
Ethyl Chlorod		2	3	3	3	3	1			3
Ethyl Chlorof		2	3	3	3	3	3			3
Ethyl Cyclop		3	1	1	1	3	1			3
Ethyl Ether		3	3	3	3	3	3		3	3
Ethyl Format	te	2	3	3	3	2	1		3	
Ethyl Hexand	ol	1	1	1	1	1	1			2
Ethyl Lactate	3	1	3	3	3	1	3			2
Ethyl Mercap	otan	3	3	3	3	3	2		3	3
Ethyl Nitrite		1	3	3	3	1	3			2
Ethyl Oxalate		1	3	3	3	3	1		3	3

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

AWARNING

are valid onl • Gasket comp a particular a familiar with • Victaulic offe application. gasket is sel Failure to foll	tion contained herein is general in nature any y for Victaulic compounds. patibility is dependent upon a number of fact application must be determined by a compel system-specific conditions. ors no warranties, expressed or implied, of a Contact your Victaulic sales representative 1 lected for a particular service. low these instructions could cause syste onal injury and property damage.	uitability for dividual uct in any ure the best								
	Rating Code Key									
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			er)	ltyl)	Ê	
2	Limited Applications	ше		A R R	trile) e	Oď	≥ ^B	M2 Vdri	و تر
		Grade E	GRADE T (Nitrile)	T/G	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
3	Restricted Applications	L BE	j Hg	, Single Single	GR	Ned	GR/	GR/ ger	SRA	Sil G
	Insufficient Data			ADI	S		(Flu	Halo	Ep d	
	Chemical			병민				=		
Ethyl Pentac	chlorobenzene	3	3	3	3	3	1		3	3
Ethyl Pyridin	ne	3	2	2	2	3	3			3
Ethyl Silicate	9	1	1	1	1	1	1		1	3
Ethyl Steara	te	3	2	2	2	3	1			
Ethyl Sulfate	9	1	3	3	3	1	3			1
Ethyl Tertiar	y Butyl Ether	3	3	3	3	3	1			
Ethyl Valera	te	3	2	2	2	3	1			
Ethylene		3	2	2	2	3	1		2	3
Ethylene Ch	loride	3	3	3	3	3	2		3	3
Ethylene Ch		2	3	3	3	2	1			3
Ethylene Cy		3	2	2	2	3	1			
Ethylene Dia		1	1	1	1	1	3		1	1
Ethylene Dib		3	3	3	3	3	2			3
Ethylene Dic		3	3	3	3	3	1		3	3
Ethylene Gly	•	1	1	1	1	1	1		1	1
	ycol 30% + tap water @250F/121C	1								
	ycol 50% + tap water @250F/121C	1								
Ethylene Hy		3	3	3	3	3	1			3
Ethylene Ox	tide, (12%) and Freon 12 (80%)			ontact a			<u> </u>			
Ethylene Tri		3		ontact a	Victau 3	lic Sale	es Repr	esenta	tive	3
	olene Stannous Octotate (50/50 mixture	2	3 3	3	3					
Ethylmorpho	``	3	2	2	2	3	1			
Ethylsulfuric			3	3	3	1	3			2
	Dow Corning)	1	1	1	1	1	1			3
	Dow Corning)		1	1	1	1	1			3
	Son Commy,									

Gasket Chemical Services Guide

Revision: GSG-100 6490 Rev.(AA)



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

GILIONO	t Chemical Services								icts	Termo
 Gasket comp a particular a familiar with Victaulic offer application. (gasket is sel Failure to following 	EWARNING ion contained herein is general in nature and y for Victaulic compounds. ability is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t lected for a particular service. ow these instructions could cause system onal injury and property damage.	ommendations Suitability for ndividual uct in any sure the best	on: GS	G-100 (6490 Re	əv.(AA)				
	Rating Code Key			–						
1	Most Applications			DE H trile)			er)	ityl)	Ê	
2	Limited Applications	ШĘ		d Ni	trile)	> (i	0 m	≥BU	M2 Vdri	e L
3	Restricted Applications	Grade E (EPDM)	GRADE ⁻ (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	ΩŴ	R R R R C R	E S JO	GR	GR	GR	GR	GR/ bichl	R S
	Insuncient Data			Hydi			EII ((Hal	Ű	
	Chemical			0						
FC-43 Hepta	acosofluorotri-butylamine	1	1	1	1	1	1			1
FC75 & FC7	7 (Fluorocarbon)	1	1	1	1	1	2			1
Ferric Acetat	te	1	3	3	3	1	3			2
	onium Sulfate	1	3	3	3	1	3			2
Ferric Chlori		1	1	1	1	1	1		1	2
Ferric Ferro		1	3	3	3	1	3			2 2
Ferric Hydro: Ferric Nitrate			3	3	3	1	3			3
Ferric Persul		1	1	1	1	1	1			
Ferric Sulfate	e	1	1	1	1	1	1			2
Ferrous Amr	nonium Citrate	1	3	3	3	1	3			2
Ferrous Amr	nonium Sulfate	1	3	3	3	1	3			2
Ferrous Cart	bonate	1	3	3	3	1	3			2
Ferrous Chlo	pride	1	1	1	1	1	1			2
Ferrous lodio		1	3	3	3	1	3			2
Ferrous Nitra		1	1	1	1	1	1			2
Ferrous Sulf		1	3	3	3	1	3			2
Ferrous Tart Fish Oils	rate	1 3	3	3 2	3 2	1	3			2
	is, wet or dry)							resenta		
Fluorine (Liq		3	3		3		2 2 S	esenia	ve	3
Fluorobenze	. ,	3	3	3	3	3	1			3
Fluoroboric A	Acid	1	1	1	1	1	1			1
Fluorocarbor	n Oils	1	1	1	1	1	3			
1 10010001001										
Fluorolube		1	1	1	1	2	2			1

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

 are valid only Gasket compa particular a familiar with Victaulic offe application. gasket is sel Failure to foll 	EWARNING for contained herein is general in nature and y for Victaulic compounds. natibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t ected for a particular service. ow these instructions could cause system and injury and property damage.	recommendations rs. Suitability for ent individual product in any ensure the best	Revisio	n: GS	G-100 (6490 Re	ev.(AA)				
	Rating Code Key				I -						
1	Most Applications				NDE litrile			ler)	utyl)	i.	
2	Limited Applications		Ξ	Е Т (Э	GR/ ed N	E A litrile	GRADE V (Neoprene)	E O stom	Ш В В В	E M2 hydr	E L
3	Restricted Applications		Grade E (EPDM)	GRADE T (Nitrile)	ST / enat	RAD ite N	AD sopre	RAD Selat	ADI	ADE	GRADE L (Silicone)
	Insufficient Data		0 E	5	DE (GRADE A (White Nitrile)	19 N	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	50
	Chemical				GRADE ST / GRADE H (Hydrogenated Nitrile)			E)	(Hŝ	(E	
Formamide			1	3	3	3	1	3			2
Formic Acid			1	2	2	2	1	3		2	2
Freon 11			3	3	3	3	3	2			3
Freon 12			3	2	2	2	1	2		1	3
Freon 134a			1	1	1	1	1	2			3
Freon 21 Freon 22			1	Col 3	ntact a	Victau 3	lic Sale	es Repr	esenta	tive 1	3
Freon, 112			3	2	2 2	2	3	3			3
Freon, 113			3	1	1	1	1	3		1	3
Freon, 114			1	1	1	1	1	2		1	3
Freon, 114B	2		3	2	2	2	2	2			3
Freon, 115,	116		1	1	1	1	1	2			3
	d ASTM Oil #2 (50/50 Mixture)		3	2	2	2	3	2			3
	d Suniso 4G (50/50 Mixture)		3	2	2	2	3	2			3
Freon, 13 Freon, 13B1			1	1	1	1	1	2		1	3
Freon, 13B1			1	1	1	1	1	1			3
Freon, 142b			2	2	2	2	· 1	3			3
Freon, 152a			1	1	1	1	1	3			3
Freon, 21			3	3	3	3	3	3		2	3
Freon, 218			1	1	1	1	1	2			3
Freon, 22			1	3	3	3	1	3		1	3
	d ASTM Oil #2 (50/50 Mixture)		3	3	3	3	2	3		3	3
Freon, 31			1	3	3	3	2	3			3
Freon, 32			1	1	1	1	1	3			3

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Caske	t Chemical Services							\sim	icta	ulio
 are valid onl Gasket comp a particular a familiar with Victaulic offe application. gasket is sel Failure to foll 	EWARNING tion contained herein is general in nature and y for Victaulic compounds. patibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. ors no warranties, expressed or implied, of a Contact your Victaulic sales representative to lected for a particular service. Now these instructions could cause system onal injury and property damage.	ecommendations 5. Suitability for 1 individual soluct in any insure the best	on: GS	G-100 (6490 Re	ev.(AA)				
	Rating Code Key			-						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)	_		er)	ityl)	Ê	
2	Limited Applications	шĘ		aRA d Ni	E A trile)) S	tome tome	≥ ^d Bu	M2 Ndri	Ц.
3	Restricted Applications	Grade E (EPDM)	GRADE ⁻ (Nitrile)	T/0 nate	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	°.⊟	E B B C B	ego.	GR	GR	GR	GR	GR/ bichl	(Sil
				Hydi			(FIL	(Hal	Ē	
	Chemical			0 <u> </u>						
Freon, C316)	1	1	1	1	1	2			3
Freon, C318	3	1	1	1	1	1	2			3
Freon, K-142		1	1	1	1	1	3			3
Freon, K-15		1	1	1	1	1	3			3
Freon, MF (F		3	1	1	1	3	2 2			3 3
Freon, TA	(1110)	2	1	1	1	2	3			3
Freon, TC		2	1	1	1	1	2			3
Freon, TF (F	3113)	3	1	1	1	1	2			3
Freon, TMC		3	2	2	2	3	2			3
Freon, T-P3	5	1	1	1	1	1	2			3
Freon, T-WE	0602	2	2	2	2	2	2			3
Fuel oil		3	2	2	2	3	1			3
Fuel Oil, #6		3	2	2	2	3	1			3
Fuel Oil, 1, a		3	1	1	1	3	1			3
Fuel Oil, Aci		2	1	1	1	3	1			3 3
	ohuric Acid (20/25% Oleum)	3	3	3	3	3	1			3
Furaldehyde		2	3	3	3	2	3			3
Furan			Со		Victaul	lic Sale		esenta	tive	
Furfural (Fur	rfuraldehyde)	3	3	3	3	3	3			3
Furfuryl Alco	phol	2	3	3	3	3				3
Furyl Carbin	ol	2	3	3	3	3				3
Fyrquel 150	220 300 550	1	3	3	3	3	1			1
	100 500	1	3	3	3		1			
Fyrquel 90, ⁻ Fyrquel A60		2			3					

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gaske	t Chemical Services Guide								\sim	icta	ulic
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are valid only Gasket comp a particular a familiar with Victaulic offe application. gasket is sel Failure to foll	EWARNING ion contained herein is general in nature and recommendation y for Victaulic compounds. Datibility is dependent upon a number of factors. Suitability for application must be determined by a competent individual system-specific conditions. rs no warranties, expressed or implied, of a product in any Contact your Victaulic sales representative to ensure the best lected for a particular service. Now these instructions could cause system failure, resultin pnal injury and property damage.	15	sion	i: GS	G-100 6	6490 Re	₹V.(AA)				
	Rating Code Key				Ξa						
1	Most Applications				GRADE ST / GRADE H (Hydrogenated Nitrile)			er)	utyl)	Ê	
2	Limited Applications	ш	_	L ()	A No	trile	> (a	0 Ū	Z ^d B	M2 Ndri	l ()
3	Restricted Applications	Grade E		GRADE 7 (Nitrile)	T / C nate	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	GRADE L (Silicone)
		P		Ч С Н С	ы Э С Э С Э С Э С	GR	GR (Ne	B C C C C C	GR	GR/ oichl	GH (Si
	Insufficient Data				Lydi Hydi			EII	(Hal	Ē	
	Chemical				ਯੂ <i>ਦ</i>				_		
Gallic Acid				Cor	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Gas, Natura	l	3		1	1	1	1	1		1	3
Gasoline		3		1	1	1	3	1		1	3
Gasoline, Re	efined Leaded	3		1	1	1	3	1			3
Gasoline, Re	efined Unleaded	3		3	3	3	3	2			3
Gasoline/Eth	nanol Mixtures	3		3	3	3	3	2		2	3
Gelatin		1		1	1	1	1	1		1	1
	iermanium Tetrahydride)		-								
Girling Brake		1		3	3	3	2	3			
Glauber's Sa Gluconic Aci		2		3	3	3	2	1			
Glucose		1		3	3	3	1	3			2
Glue				1		1	1	1		1	1
Glutamic Aci	id			3	3	3	3				
Glycerin/Gly		1		1	1	1	1	1		1	1
Glycerol Dic	hlorohydrin	1		3	3	3	1				2
Glycerol Mo	nochlorohydrin	1		3	3	3	1				2
Glycerol Tria	acetate	1		3	3	3	1	3			2
Glycerophos	sphoric Acid	1		3	3	3	1				2
Glyceryl Pho	osphate	1		3	3	3	1				2
Glycidol		1		3	3	3	1				2
Glycol		1		1	1	1	1	1		1	1
Glycol Ethyle		1		1	1	1	1	1		1	1
Glycol Mono		1		1	1	1	1	1		1	2
Glycolic Acio		1		3	3	3	1	2			2
Glycoxylic A		1		3	3	3	1	3			2
Grease Petro	oleum Base	3		1	1	1	3	1			3

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

 are valid only Gasket comp a particular a familiar with Victaulic offee application. O gasket is sele Failure to follo 	WARNING ion contained herein is general in nature and y for Victaulic compounds. batibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t ected for a particular service. ow these instructions could cause system onal injury and property damage.	ommendations Suitability for ndividual uct in any sure the best	on: GS		9490 He	v.(nn)				
	na nju j un poporj umogo.		_		1	1		1	I	I
	Rating Code Key			II_						
1	Most Applications			DE			er)	utyl)	(i	
2	Limited Applications	шę	L L	A N D	trile	> (i	to U	≥ ^b	M2	Ц Ц
3	Restricted Applications	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	GRADE L (Silicone)
		Р.Ш.	L L L L L L L L L L L L L L L L L L L	E S oge	GR	GR	GR	GR	GR/	GR (Sil
	Insufficient Data			AD			(FIL	Hal	Ц Щ	
	Chemical			윤는						
Green Sulfat	e Liquor (Pulp Mill)	1	2	2	2	2	1		2	1
Gulf Endurar	,	3	1	1	1	2	1			3
Gulf FR Fluid	ds (Emulsion)	3	1	1	1	2	1			3
Gulf FR G-FI	luids	1	1	1	1	1	1			1
Gulf FR P-Fl	uids	2	3	3	3	3	2			1
Gulf Harmon	y Oils	3	1	1	1	2	1			3
Gulf High Te	mperature Grease	3	1	1	1	2	1			3
Gulf Legion (Oils	3	1	1	1	2	1			3
Gulf Paramo	unt Oils	3	1	1	1	2	1			3
Gulf Security	/ Oils	3	1	1	1	2	1			3
Gulfcrown G	rease	3	1	1	1	2	1			3
Halowax Oil		3	3	3	3	3	1			3
Hannifin Lub	e A	3	1	1	1	1	1			2
Heavy Water	r	1	1	1	1	2	3			1
HEF-2 (High	Energy Fuel)	3	2	2	2	3	1			3
Helium		1	1	1	1	1	1			1
Heptachlor		3	2	2	2	3	3			
Heptachlorot		3	2	2	2	3	1			
	e (Heptanal)	3	1	1	1	2	3			2
Heptane or n		3	1	1	1	2	1			3
Heptanoic Ad		3	1	1	1	2	1			2
Hexachloroa			3	3	3	1	3			2
Hexachlorob		3	2	2	2	3	1			
Hexachlorob		3	2	2	2	3	1			
Hexachloroe	thane e or n-Hexaldehyde	3	2 3	2 3	2 3	3	3 3			
		1				1				



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

Revision: GSG-100 6490 Rev.(AA)

- The information contained herein is general in nature and recommendations are valid only for Victaulic compounds.
 Gasket compatibility is dependent upon a number of factors. Suitability for a particular application must be determined by a competent individual familiar with system-specific conditions.
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Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.

1 2 3 	Rating Code Key Most Applications Limited Applications Restricted Applications Insufficient Data Chemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Hexamethyle	ne (Cyclohexane)	3	1	1	1	2	1			2
Hexamethyle	ne Diammonium Adipate	3	2	2	2	3	1			
Hexamethyle	nediamine	1	3	3	3	1	3			2
Hexane or n-	Hexane	3	1	1	1	2	1		1	3
Hexene-1 or	n-Hexene-1	3	2	2	2	2	1			3
Hexone (Met	hyl Isobutyl Ketone)	2	3	3	3	3	3		3	3
Hexyl Acetate	e	3	1	1	1	2	3			2
Hexyl Alcoho	1	3	1	1	1	2	1			2
Hexylene Gly	vcol	1	3	3	3	1	1			2
Hexylresorcir	lor	3	2	2	2	3	3			
High Viscosit	y Lubricant, H2	1	1	1	1	2	1			1
High Viscosit	y Lubricant, U4	1	1	1	1	2	1			1
HiLo MS #1		1	3	3	3	3	3			3
Houghto-Safe	e 1010 phosphate ester	1	3	3	3	3	1			3
Houghto-Safe	e 1055 phosphate ester	1	3	3	3	3	1			3
Houghto-Safe	e 1120 phosphate ester	2	3	3	3	3	1			3
Houghto-Safe	e 271 (Water & Glycol Base)	1	1	1	1	2	3			2
Houghto-Safe	e 416 & 500 Series	1	1	1	1		2			
Houghto-Safe	e 5040 (Water/Oil emulsion)	3	1	1	1	2	2			3
Houghto-Safe	e 620 Water/Glycol	1	1	1	1	2	2			2
Hydraulic Oil	(Petroleum Base, Industrial)	3	1	1	1	2	1		1	3
Hydraulic Oils	s (Synthetic Base)	3	1	1	1	3	3			
Hydrazine		1	2	2	2	2	3			2
Hydrazine (A	nhydrous)	2	3	3	3	2	3			
Hydrazine Di	hydrochloride	1	3	3	3	1	3			2
Hydrazine Hy	/drate	1	3	3	3	1	3			2
Hydriodic Aci	id	3	2	2	2	3	1			



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

a particular a familiar with • Victaulic offer application. (gasket is sel- Failure to follo	y for Victaulic compounds. batibility is dependent upon a number of factors. Su application must be determined by a competent ind system-specific conditions. rs no warranties, expressed or implied, of a produc Contact your Victaulic sales representative to ensu- lected for a particular service. Iow these instructions could cause system failu- onal injury and property damage.	lual any the best								
			1	1	1					
	Rating Code Key			E H						
1	Most Applications			AD	e .		ner)	3uty	lrin)	
2	Limited Applications	Grade E (EPDM)	GRADE T (Nitrile)	Ed H	litri A	GRADE V (Neoprene)	E O	Ш М М	Щ Ж Ч	GRADE L
3	Restricted Applications	EPD EPD	Nitri	ST /	RAD ite N	SAD	RAD	RAD	ADF	
	Insufficient Data	0 E	19 19	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	ΰŽ	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	9
	Chemical			Ч Н Н Н				É		
Hydroabietyl	I Alcohol									
Hydrobromic	c Acid	1	3	3	3	3	1			3
Hydrobromic	c Acid 40%	1	3	3	3	2	1			3
Hydrocarbon	ns, Saturated	3	1	1	1	2	2		3	3
Hydrochloric	Acid (cold) 37%	3	3	3	3	3	1		3	3
Hydrochloric	Acid (hot) 37%	3	3	3	3	3	2		3	3
Hydrochloric	Acid, 3 Molar to 158°F/70C	1	2	2	2	2	1		3	3
Hydrochloric	2 Acid, to 36%, 158°F/70°C	3	3	3	3	3	2		3	3
Hydrochloric	c Acid, to 36%, 75°F/24°C	2	3	3	3	3	1		3	2
Hydrocyanic	Acid	1	2	2	2	2	1			3
Hydro-Drive	MIH-10 (Petroleum Base)	3	1	1	1	2				2
Hydro-Drive	MIH-50 (Petroleum Base)	3	1	1	1	2				2
Hydrofluoric	Acid (Anhydrous)		Co	ntact a	Victau	lic Sale	es Repr	resenta	tive	
Hydrofluoric	Acid (conc.) Cold		Co	ntact a	Victau	lic Sale	es Repr	resenta	tive	
Hydrofluoric	Acid (conc.) Hot		Co	ntact a	Victau	lic Sale	es Repr	resenta	tive	
Hydrofluoros	silicic Acid (Fluosilicic Acid)	1	2	2	2	3	1			3
Hydrogen Br	romide (Anhydrous)	1	3	3	3	3	1			3
Hydrogen Ch	hloride (Anhydrous)	1	3	3	3	2	1			3
Hydrogen Ch		1	3	3	3	2	1			3
Hydrogen Cy	yanide	1	3	3	3	3	3			3
Hydrogen Fli		3	3	3	3	3	3			3
Hydrogen Fli	uoride (Anhydrous)	3	3	3	3	3	3			3
Hydrogen Ga	as	1	1	1	1	1	1			3
	dide (Anhydrous)	3	2	2	2	3	1			
Hydrogen Pe	eroxide	3	3	3	3	3	3		3	3
Hydrogen Pe	eroxide, 0 - 30%	3	3	3	3	3	1			2
Hydrogen Pe	eroxide, 30 - 50%	3	3	3	3	3	1			2



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Revision: GSG-100 6490 Rev.(AA)

SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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 Victaulic offer application. (system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative lected for a particular service.									
Failure to foll	low these instructions could cause syste	ailure, resulting in								
	onal injury and property damage.									
	Rating Code Key			–						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)	_		er)	ityl)	Ê	
2	Limited Applications	ШĘ	μ.	d Ni	trile)	≥ î	O	≥ ^B	M2 ydri	<u>م</u> ب
		Grade E (EPDM)	GRADE 7 (Nitrile)	Г / G	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L
3	Restricted Applications	L S U	L L L L L L L L L L L L L L L L L L L	E S oger	GR/ Vhite	GR/ Nec	GR/	GR/ oger	GRA	GR,
	Insufficient Data			ydr	S		(Flu	- Jaio	E D	
	Chemical			Ц В Е						
Hydrogen Pe	eroxide, 50% - 90%	3	3	3	3	3	3		3	2
Hydrogen Su	ulfde, Dry Gas	1	1	1	1	1	3			3
Hydrogen Su	ulfde, Wet Gas	1	3	3	3	1	3		3	3
Hydrogen Su	ulfide, Dry, Cold	1	1	1	1	1	3			3
Hydrogen Su	ulfide, Dry, Hot	1	3	3	3	2	3			3
Hydrogen Su	ulfide, Wet, Cold	1	3	3	3	1	3		3	3
Hydrogen Su	ulfide, Wet, Hot	1	3	3	3	2	3		3	3
Hydrolube-W	Vater/Ethylene Glycol	1	1	1	1	2	1			2
Hydrooxycitr	ronellal					3	1			
Hydroquinol		3	3	3	3	3				
Hydroquinon	ne	2	3	3	3	3	3			3
Hydroxyacet	tic Acid	1	3	3	3	1	3			2
Hydyne		1	2	2	2	2	3			3
Hyjet		1	3	3	3	3	3			3
Hyjet IV and	IVA	1	3	3	3	3	3			3
Hyjet S4		1	3	3	3	3	3			
Hyjet W	up Apid	2	3	3	3	3	3		3	
Hypochlorou	us Acid, 0% - 10%	2	3	3 3	3 3	3 3	1		3 3	3 3
Indole						3	1			
Industron FF	-44	3	1	1	1	2	1			3
Industron FF		3	1	1	1	2	1			3
Industron FF		3	1	1	1	2	1			3
Industron FF		3	1	1	1	2	1			3
Insulin		1	3	3	3	1	3			2
lodic Acid		1	3	3	3	1	3			2
lodine		2	2	2	2	3	1			

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Revision: GSG-100 6490 Rev.(AA)

SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

are valid only • Gasket comp a particular a familiar with • Victaulic offee application. (gasket is sel Failure to follow	AWARNING ion contained herein is general in nature and rec y for Victaulic compounds. application must be determined by a competent in system-specific conditions. Is no warranties, expressed or implied, of a prod Contact your Victaulic sales representative to en- ected for a particular service. ow these instructions could cause system fai anal injury and property damage.	mmendations uitability for dividual ct in any ure the best	on: GS	G-100 (6490 Re	ev.(AA)				
1 2 3 	Rating Code Key Most Applications Limited Applications Restricted Applications Insufficient Data	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
lodine Penta	fluoride Factory	3	3	3	3	3	3		3	3
lodine, Sat'd	Vapor at room temp									
lodoform		3				3	3			
Isoamyl Acet	tate	1	3	3	3	3	3			
Isoamyl Buty	vrate	1	3	3	3	1	3			
Isoamyl Vale	erate	1	3	3	3	3	3			
Isoboreol						3	1			
Isobutane		3	1	1	1	2	1			
Isobutyl Acet	tate	1	3	3	3	1	3			2
Isobutyl Alco	bhol	1	2	2	2	1	1			1
Isobutyl Alco	bhol, 10%	1	2	2	2	1	1			1
Isobutyl Chlo	pride	3	3	3	3	3	1			
Isobutyl Ethe	er	3	2	2	2	3	3			
Isobutyl Meth	hyl Ketone	1	3	3	3	1	3			2
Isobutyl n-Bu	utyrate	1	3	3	3	3	1			
Isobutyl Pho	sphate	1	3	3	3	1	3			2
Isobutylene		1				3	1			
Isobutyraldel	hyde	2	3	2	3	3	3			
Isobutyric Ac	cid	2	1	1	1	3	3			2
Isobutyric Ac	cid, 50%	2	1	1	1	3	3			
Isocaproic A	cid									
Isocrotyl Chl	oride					3	1			
Isodecanol		3	1	1	1	2	1			2
Isododecane)	3	1	1	1	2	1			3
Isoeugenol		3	1	1	1	2	1			2
Isononyl Alco	ohol									
		3	1	1			2	1		3

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

	A WARNING		on: GS	G-100 6	5490 Re	ev.(AA)				
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Failure to foll serious perso	low these instructions could cause syste onal injury and property damage.	lure, resulting in								
	Rating Code Key			II.						
1	Most Applications			GRADE ST / GRADE I (Hydrogenated Nitrile)			ler)	GRADE M (Halogenated Butyl)	i)	
2	Limited Applications	ш Э́р	Е Ш Ц Ц Ц	GR/ ed N	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	ы В В В В	GRADE M2 (Epichlorohydrin)	Ц Ц Ц
3	Restricted Applications	Grade E (EPDM)	GRADE (Nitrile)	ST / enat	RAD ite N	ADF	GRADE O oroelaston	RADI	ADE	GRADE L
	Insufficient Data	00	<u> </u>	DE	(MGI	σž	GF	aloge	GH	<u> </u>
				Hydel Hydel				H)		
	Chemical			0						
Isopentane		3	1	1	1	1	2			2
Isophorone ((Ketone)	2	3	3	3	3	3			3
Isopropanol		1	2	2	2	2	1			1
Isopropyl Ac		2	3	3	3	3	3			3
Isopropyl Alc		1	2	2	2	2	1	1		1
Isopropyl Ch		3	3	3	3	3	1			3
Isopropyl Eth		3	2	2	2	3	3			3
Isopropylace		1	3	3 3	3 3	1	3 3			2
Isopropylami		3	2	2	2	3	1			
JP-10		3	3	3	3	3	1			3
JP-3 (MIL-J-	5624)	3	1	1	1	3	1			3
JP-4 (MIL-T-	,	3	1	1	1	3	1			3
JP-5 (MIL-T-	,	3	1	1	1	3	1			3
JP-6 (MIL-J-		3	1	1	1	3	1			3
JP-8 (MIL-T-	-83133)	3	1	1	1	3	1			3
JP-9 (MIL-F-	-81912)	3	3	3	3	3	1			3
JP-9 -11		3	3	3	3	3	1			3
JPX (MIL-F-	25604)	3	1	1	1	3	3			3
Kel F Liquids	S	1	1	1	1		2			1
Kerosene		3	1	1	1	2	1			3
Keystone #8	37HX-Grease	3	1	1	1	3	1			3
Lacquer Solv	vents	3	3	3	3	3	3		3	3
Lacquers		3	3	3	3	3	3		3	3
Lactams-Am	nino Acids	2	3	3	3	2	3			
Lactic Acid,	Cold	1	1	1	1	1	1			1
Lactic Acid,	Hot	3	3	3	3	3	1			2



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

are valid only	WARNING ion contained herein is general in nature and y for Victaulic compounds.	ommendations	on: GS	G-100 (6490 Re	ev.(AA)				
 Gasket comp a particular a familiar with Victaulic offe application. (gasket is sel Failure to foll 	Atibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t lected for a particular service. ow these instructions could cause system onal injury and property damage.	ndividual uct in any sure the best								
	Rating Code Key			ш _е						
1	Most Applications			ADE	(e)		ner)	Buty	rin)	
2	Limited Applications	^{⊥⊥} ≘	E E	ed P	litri A	ene <	E O stor	Ш М М	Myd	Ц
3	Restricted Applications	Grade E (EPDM)	GRADE 7 (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	0 E	19	DE	^g g	l Q S	GF	loge	GH	9.96
	indunioient Data			Hyd			E)	(Ha	U U	
	Chemical			0						
Lactones (C	yclic Esters)	2	3	3	3	3	3			2
Lard		2	1	1	1	2	1		1	2
Lauric Acid		3	1	1	1	2	1			2
Lavender Oi	I	3	2	2	2	3	1			3
LB 135		1	1	1	1	1	1			
Lead Acetate	e	1	2	2	2	2	3		2	3
Lead Arsena	ate	1	3	3	3	1	3			2
Lead Bromid	le	1	3	3	3	1	3			2
Lead Carbor	nate	1	3	3	3	1	3			2
Lead Chlorid	le	1	3	3	3	1	3			2
Lead Chrom	ate	1	3	3	3	1	3			2
Lead Dioxide	-	1	3	3	3	1	3			2
Lead Linolea		1	3	3	3	1	3			2
Lead Nitrate		1	1	1	1	1	1			2
Lead Oxide		1	3	3	3	1	3			2
Lead Sulfam		1	2	2	2	1	1			2
Lead Sulfate		1 3	1	1	1	2 2	1			
Lehigh X116 Lehigh X117		3	1	1	1	2	1			3
	oleum Ether or Benzene)	3	1	1	1	2	1			3
Lime and H2		1	1	1	1	1	3			3
Lime Bleach			1	1	1	2	1			
Lime Sulfur		1	1	1	1	2	1		2	
	aulic Fluid (Phosphate ester type)	1	3	3	3	3	2			3
Linoleic Acid		3	2	2	2	3	2			2
Linseed Oil		3	1	1	1	2	1		1	1
	en (LOX) Factory	3	3	3	3	3	3	3	3	3

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

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	Rating Code Key			-						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			(L	tyl)	Ē	
2				L RAL	GRADE A (White Nitrile)	> (j	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	<u>،</u> ۲
	Limited Applications	Grade E	GRADE	ated	ЦË	GRADE V (Neoprene)	DE	atec	Шų	GRADE L (Silicone)
3	Restricted Applications	Gra		gen (hite	SRA	3RA oroe	3RA gen:	Chlo Chlo	Silic
	Insufficient Data			ADE /dro	S_	02	Flue	alo	, Dig	
	Ohamiaal			L H H H				Ξ		
	Chemical									
Maleic Acid		3	3	3	3	3	1			3
Maleic Anhyo		2	3	3	3	3	3			
Maleic Hydra	azide	1	3	3	3	1	3			2
Malic Acid	· 4	2	1	1	1	2	1			2
Mandelic Aci	-	1	3	3	3	1	3			2
Manganese /		1	3	3	3	1	3			2
Manganese		1	3	3	3	1	1			2
Manganese				3	3	1	3			2
Manganese		1	3	3	3	1	1			2
Manganese				3		1	1			2
-	Hypophosphite	1	3	3	3		1			2
Manganese I		1				1	1			2
Manganese	Naphthenate Phosphate	1	3	3	3	1	1			2
Manganese		1	3	3	3	1	1			2
Manganous			3	3	3	1	3			2
Manganous		1	3	3	3	1	1			2
Manganous		1	3	3	3	1	1			2
Mannitol		1	3	3	3	1	1			2
MCS 312		3	3	3	3	3	1			1
MCS 352		1	3	3	3	3	3			3
MCS 463		1	3	3	3	3	3			3
MDI (Methyle	ene di-p-phenylene isocyanate)	1	3	3	3	1	3			2
Mercaptan		3	1	1	1	2	3			2
Mercaptober	nzothiazole (MBT)	1	3	3	3	3	1			
Mercuric Ace	etate	1	3	3	3	1	3			2
Mercuric Chl	- side	1	1	1	1	1	1		1	



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

Revision: GSG-100 6490 Rev.(AA)

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1 2 3 	Rating Code Key Most Applications Limited Applications Restricted Applications Insufficient Data Chemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Mercuric Cyar	nide	1	3	3	3	1	3			2
Mercuric lodic	de	1	3	3	3	1	3			2
Mercuric Nitra	ate	1	3	3	3	1	3			2
Mercuric Sulfa	ate	1	3	3	3	1	3			2
Mercuric Sulfi	ite	1	3	3	3	1	3			2
Mercurous Ni	trate	1	3	3	3	1	3			2
Mercury		1	1	1	1	1	1		1	
Mercury Chlo	ride	1	1	1	1	1	1		1	
Mercury Fulm	ninate	1	3	3	3	1	1			2
Mercury Salts	3	2	2	2	2	2	1			2
Mercury Vapo	ors	1	1	1	1	1	1			
Mesityl Oxide	e (Ketone)	2	3	3	3	3	3			3
Meta-Cresol						3	2			
Metaldehyde		1	3	3	3	1	3			2
Meta-Nitroani	iline	1	3	3	3	1	3			2
Meta-Toluidin	ne					3	1			
Methacrylic A	cid	1	3	3	3	1	3			2
Methallyl Chlo	oride					3	1			
Methane		3	1	1	1	2	1		1	3
Methanol (see	e Methyl Alcohol)	1	1	1	1	1	3		3	1
Methoxyethar	nol (DGMMA)	1	3	3	3	1	3			2
Methyl Abieta	ite					3	3			
Methyl Acetat	te	1	3	3	3	2	3		3	3
Methyl Acetoa	acetate	2	3	3	3	3	3			2
Methyl Acetor	phenone					3	3			
Methyl Acryla	te	2	3	3	3	2	3			3
Methyl Alcoho	ol, Methanol	1	1	1	1	1	3		3	1

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

• The inform - *	WARNING ion contained herein is general in nature an		visio	n: GS	G-100 6	6490 Re	v.(AA)				
 are valid only Gasket compare particular a familiar with Victaulic offer application. gasket is sel 	y for Victaulic compounds. atbility is dependent upon a number of fact application must be determined by a compe system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t lected for a particular service.	s. Suitability for t individual oduct in any ensure the best									
Failure to foll serious perso	low these instructions could cause syste onal injury and property damage.	failure, resulting in									
	Rating Code Key				ц.						
1	Most Applications				aRADE ST / GRADE H (Hydrogenated Nitrile)			er)	[tyl]	Ê	
2	Limited Applications	ш.	ا <u>م</u> ا	F_	GRADE ST / GRADE (Hydrogenated Nitrile	GRADE A (White Nitrile)	≥ (j	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	ے ا
		ade	(EPDM)	GRADE T (Nitrile)	Γ/G	ADE Nit	GRADE V (Neoprene)	ADE elast	NDE atec	GRADE M2 oichlorohydr	ADE
3	Restricted Applications	Gra	5世	GR/ Ni	E S1 oger	GR/ /hite	GR/ Neo	GR/ oro€	Gen	chlo	GRADE L
	Insufficient Data			-	ydro	-5		(Flue	- Halo	E Did	
	Chemical				Ц Ц Ц			•	÷		
			4	0	3	0	1	3			0
Methyl Amyl			1	3		3	3	3			2
Methyl Anthr Methyl Benz			3	3	3	3	3	- 1			3
Methyl Brom			3	2	2	2	3	1			
Methyl Butyl			1	3	3	3	3	3			3
	rate Cellosolve		. 1	3	3	3	1				2
Methyl Butyr			1	3	3	3	1	3			2
Methyl Carbo			3	3	3	3	3	1			3
Methyl Cello			2	3	3	3	3	3			3
Methyl Cellu	lose		2	2	2	2	2	3			2
Methyl Chlor	ride		3	3	3	3	3	3			3
Methyl Chlor	roacetate		1	3	3	3	1	3			2
Methyl Chlor	roform		3	3	3	3	3	3			
Methyl Chlor	roformate		3	3	3	3	3	3			3
Methyl Chlor	rosilanes	-									
Methyl Cyan	ide (Acetonitrile)		1	3	3	3	1	3			2
Methyl Cyclo	phexanone		3	1	1	1	2	3			2
Methyl Cyclo	opentane		3	3	3	3	3	1			3
Methyl Dichl	loride	-					3	1			
	r (Biodiesel B-100) with <0.5% water, t		3	3		3	3	1			3
Methyl Ether			3	1	1	1	3	3			1
Methyl Ethyl			1	3	3	3	3	3		3	3
	Ketone Peroxide		3	3	3	3	3	3			2
Methyl Ethyl							3	1			
Methyl Form			2	3	3	3	2	3		3	
	I Ketone (2-Octanone)		1	3	3	3	1	3			2
Methyl Iodid	e		3	1	1	1	2	1			2



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Revision: GSG-100 6490 Rev.(AA)

SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gradino	t Chemical Services								icta	
	A WARNING	Revisio	n: GS	G-100 6	6490 Re	ev.(AA)				
 are valid only Gasket comp a particular a familiar with Victaulic offe application. (gasket is sel 	ion contained herein is general in nature and y for Victaulic compounds. adbility is dependent upon a number of factor application must be determined by a competer system-specific conditions. rs no warranties, expressed or implied, of a p Contact your Victaulic sales representative to ected for a particular service. ow these instructions could cause system	Suitability for ndividual luct in any sure the best								
serious perso	onal injury and property damage.									
	Rating Code Key			-						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			er)	ltyl)	Ê	
2	Limited Applications	Ш _Я	е) Т	GRA ed N	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	Пе)
3	Restricted Applications	Grade E (EPDM)	GRADE ⁻ (Nitrile)	ST /	ADI ite N	ADI eopre	GRADE O oroelaston	RADI	ADE	GRADE L (Silicone)
	Insufficient Data	00	0 0	DE:	P P	ΰž	-Iuon	aloge	Epict	<u> </u>
	Chemical			GRA (Hy			E	Ë,	Ξ	
Methyl Isobu	ityl Ketone		Co	ntact a	Victau	lic Sale	l es Repr	esenta	tive	
Methyl Isocy	ranate	1	3	3	3	1	3			2
Methyl Isopro	opyl Ketone	2	3	3	3	3	3			3
Methyl Isova	llerate					3	1			
Methyl Lacta	ite	1	3	3	3	1	3			2
Methyl Merca	aptan	1					3			
Methyl Meth	acrylate	3	3	3	3	3	3		3	3
Methyl Oleat	te	2	3	3	3	3	2			
Methyl Penta	adiene					3	1			
Methyl Phen	ylacetate					3	3			
Methyl Salicy	ylate	2	3	3	3	3	2			
Methyl Tertia	ary Butyl Ether (MTBE)	3	3	3	3	3	3			
Methyl Valer	ate					3	1			
Methylacrylic	c Acid	2	3	3	3	2	3			3
Methylamine)	1	3	3	3	1	3			2
Methylamyl /	Acetate	1	3	3	3	1	3			2
Methylcyclop	pentane	3	3	3	3	3	1			3
Methylene B	romide					3	3			
Methylene C	Chloride	3	3	3	3	3	3			3
Methylene D	lichloride	3	3	3	3	3				3
Methylene Ic	odide					3	1			
Methylglycer		1	3	3	3	1	3			2
Methylisobut	tyl Carbinol	3	1	1	1	2	1			2
Methylpyrrol	idine					3	1			
Methylpyrrol	idone					3	1			
Methylsulfuri	ic Acid	1	3	3	3	1	3			2
MIL-A-6091		1	3	3	3	1	1			1

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7

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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	Rating Code Key				I,						
1	Most Applications				\DE litrile	(ler)	utyl)	in)	
2	Limited Applications	ш.	ŝ	н е)	GR∕ ∋d N	E A itrile) ene	stom	Z₩	M2 hydr	Е L
3	Restricted Applications	Grade E	D	GRADE 1 (Nitrile)	ST / (GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	Q	<u>۳</u>	д Ц	DE S roge	Whi	G R R	GH uorc	GH loge	GR, pich	Я <u></u> В
					GRADE ST / GRADE H (Hydrogenated Nitrile)	Ŭ		E)	(Ha	<u> </u>	
MIL-C-4339	Chemical	3	2	1	-	1	3	1			3
MIL-C-7024		3		1	1	1	2	1		1	3
MIL-C-8188	С	3	3	2	2	2	3	1		3	3
MIL-E-9500			1	1	1	1	1	1			1
MIL-F-16884	4	3	3	1	1	1	3	1			3
MIL-F-17111	1	3	3	1	1	1	2	1		1	3
MIL-F-25558	8 (RJ-1)	3	3	1	1	1	2	1		1	3
MIL-F-25656	6B (JP6)	3	3	1	1	1	3	1		1	3
MIL-F-5566		1		2	2	2	2	1		3	1
MIL-F-81912		3		3	3	3	3	1			3
MIL-F-82522 MIL-G-1092	. ,	3		2	2	2	3 3	1			3
MIL-G-1579		3		1	1	1	2	1		3	3 3
MIL-G-2156		-1		1	1	1	1	1		1	3
MIL-G-2501		1		1	1	1	3	1		1	3
MIL-G-2553	7A	3	3	1	1	1	3	1		1	3
MIL-G-2576	0A	3	3	3	3	3	3	1		3	3
MIL-G-3278		3	3	2	2	2	3	1			3
MIL-G-3545		3	3	1	1	1	2	1			3
MIL-G-4343		3	3	2	2	2	3	1			3
MIL-G-5572		3		1	1	1	3	1			3
MIL-G-7118		3		2	2	2	3	1		3	3
MIL-G-7187		3		1	1	1	1	1		1	3
MIL-G-7421		3		2	2	2	3	1		3	3
MIL-G-7711.	A	3		1	1	1	3	1		1 3	3
MIL-H-1391	0P		1	1	1	1					

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

Revision: GSG-100 6490 Rev.(AA)

The information contained herein is general in nature and recommendations are valid only for Victaulic compounds.
 Gasket compatibility is dependent upon a number of factors. Suitability for a particular application must be determined by a competent individual familiar with system-specific conditions.
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Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.

Rating Code Key 1 Most Applications 2 Limited Applications 3 Restricted Applications Insufficient Data Chemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
MIL-H-22251	1	2	2	2	2	1		3	3
MIL-H-27601A	3	2	2	2	3	1		3	3
MIL-H-46170 -15°F/-26C to +400°F/204C	3	1	1	1	2	1			3
MIL-H-46170 -20°F/-29C to +275°F/135C	3	1	1	1	2	1			3
MIL-H-46170 -55°F/-48C to +275°F/135C	3	1	1	1	2	1			3
MIL-H-46170 -65°F/-54C to +275°F/135C	3	1	1	1	2	1			3
MIL-H-5606 -65°F/-54C to +235°F/113C	3	1	1	1	3	1		2	3
MIL-H-5606 -65°F/-54C to +275°F/135C	3	1	1	1	3	1		2	3
MIL-H-6083C	3	1	1	1	1	1		1	3
MIL-H-7083A	1	1	1	1	3	3		3	2
MIL-H-8446B	3	3	3	3	1	1		3	3
MIL-J-5161F	3	3	3	3	3	1		1	3
Milk	1	1	1	1	1	1			1
MIL-L-15016	3	1	1	1	3	1			3
MIL-L-15017	3	1	1	1	3	1		1	3
MIL-L-17331D	3	1	1	1	3	1		1	3
MIL-L-2104	3	1	1	1	2	1			3
MIL-L-21260	3	1	1	1	3	1		1	3
MIL-L-23699A	3	3	3	3	3	1		3	3
MIL-L-25681C	1	3	3	3	3	1		1	3
MIL-L-3150A	3	1	1	1	3	1		1	3
MIL-L-6042C	3	1	1	1	3	1		1	3
MIL-L-6081	3	1	1	1	3	1		1	3
MIL-L-6085A	3	3	3	3	3	1		3	3
MIL-L-6387A	3	3	3	3	3	1		3	3
MIL-L-7808F	3	1	1	1	3	1		3	3
MIL-L-7870A	3	1	1	1	3	1		1	3



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

		Revisi	on: GS	G-100 6	6490 Re	ev.(AA)				
 are valid only Gasket compa particular a familiar with Victaulic offe application. (gasket is sel Failure to foll 	ion contained herein is general in nature and y for Victauiic compounds. ability is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t lected for a particular service. low these instructions could cause system onal injury and property damage.	s. Suitability for t individual oduct in any ensure the best								
	Rating Code Key			I_						
1	Most Applications			DE l			er)	utyl)) L	
2	Limited Applications	[⊥] €		ARA N De	itrile.	GRADE V (Neoprene)	tom tom	Bu≊	M2 Ndri	Je(
3	Restricted Applications	Grade E (EPDM)	GRADE T (Nitrile)	ST /	RADI Ite N	3ADI	3ADI Delas	3ADF	ADE	GRADE L (Silicone)
	Insufficient Data	0 U	19	DE 0	GRADE A (White Nitrile)	R R	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	В S)
	Chemical			GRADE ST / GRADE H (Hydrogenated Nitrile)			E)	H)	Ű	
MIL-L-9000F	=	3	1	1	1	3	1		1	3
MIL-L-9236E	3	3	3	3	3	3	1		3	3
MIL-O-3503		3	1	1	1	3	1			3
MIL-P-27402		1	3	3	3	3				3
MIL-R-25576		3	1	1	1	3	1		1	3
MIL-S-3136, MIL-S-3136,		3	1 3	1	1	3 3	1		1	3
MIL-S-3136, MIL-S-3136,		3	3	3	3	3	1		1	3
MIL-S-3136,		3	1	1	1	3	1		1	2
MIL-S-3136,		3	1	1	1	2	1		1	3
MIL-S-81087		1	1	1	1	1	1		1	3
MIL-T-5624,	JP-4, JP-5	3	1	1	1	3	1		1	3
MIL-T-83133	3, JP-8	3	1	1	1	3	1			3
Mineral Oils		3	1	1	1	2	1		1	2
Mineral Spiri	its	3	1	1	1	3	1			3
Mixed Acids	i	1	3	3	3	1	3			2
MLO-7277 H	Hydr.	3	3	3	3	3	1			3
MLO-7577		3	3	3	3	3	1			3
MLO-8200 H	łydr.	3	2	2	2	1	1		3	3
MLO-8515		3	2	2	2	1	1		3	3
Mobil 24dte	c 1100, 1110, 1120, 1130	3	1	1	1	2 2	1			
Mobil HF		3	1	1	1	2	1 1			
Mobil Nivac	20, 30	1	1	1	1	1	1			
Mobil SHC 5		3	3	3	3	2	1			2
Mobil SHC 6		3	3	3	3	2	1			3



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1

SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

The information contained herein is general in nature and recommendations are valid only for Victaulic compounds. Gasket compatibility is dependent upon a number of factors. Suitability for a particular application must be determined by a competent individual familiar with system-specific conditions. Victaulic offers no warranties, expressed or implied, of a product in any application. Contact your Victaulic sales representative to ensure the best gasket is selected for a particular service. Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage. **Rating Code Key** Т GRADE ST / GRADE | (Hydrogenated Nitrile) GRADE M (Halogenated Butyl) GRADE M2 (Epichlorohydrin) 1 **Most Applications** GRADE O (Fluoroelastomer) GRADE A (White Nitrile) GRADE V (Neoprene) GRADE L (Silicone) Grade E (EPDM) GRADE T (Nitrile) 2 **Limited Applications** 3 **Restricted Applications Insufficient Data** ---Chemical Mobil Velocite c 2 ----------Mobilgas WA200 ATF 2 1 1 1 ----------1 Mobilgear 600 Series --------3 3 1 1 Mobilgear SHC ISO Series 2 --------1 Mobilgrease HP 2 2 2 2 1 2 Mobilgrease HTS 3 2 2 2 2 1 --------2 Mobilgrease SM 2 2 2 2 1 -------2 Mobilith AW Series 3 2 2 2 2 2 1 --------Mobilith SHC Series 2 2 2 2 1 Mobiljet II Lubricant ------------------1 -----------Mobilmistlube Series 1 -------1 1 Mobiloil SAE 20 3 1 1 2 1 ----------Mobilux 1 1 2 1 1 ----------Molybdenum Disulfide Grease 3 1 1 1 3 ---------Molvbdenum Oxide -------2 1 1 Molybdenum Trioxide 3 1 ---2 1 ---2 Molvbdic Acid 1 1 ------Monobromobenzene 3 ----Monobromotoluene -----------------------1 ----1 2 Monochloroacetic Acid ----Monochlorobenzene 3 ------------------------Monochlorobutene ---1 Monoethanolamine (MEA) 2 ---Monoethyl Amine 2 1 ---Monoisopropylamine 1 3 3 1 --------2 2 Monomethyl Aniline -------2 Monomethyl Ether (Methyl Ether) ----------1

Revision: GSG-100 6490 Rev.(AA)





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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

 are valid only Gasket comp a particular a familiar with Victaulic offee application. O gasket is sele Failure to follo 	WARNING ion contained herein is general in nature an y for Victaulic compounds. patibility is dependent upon a number of fac application must be determined by a compe system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative ected for a particular service. ow these instructions could cause syste onal injury and property damage.	Suitability for ndividual luct in any sure the best	ion:	650	3-100 6	9490 Re	v.(AA)				
serious perso	na njury and property damage.										
	Rating Code Key										
1	Most Applications				GRADE ST / GRADE H (Hydrogenated Nitrile)			(L	ty)	Ē	
2			_ _		RAI Nit	GRADE A (White Nitrile)	> (e	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	1.
	Limited Applications	Grade E		trile	7/G atec	Ц	DE	DE last	atec	Шų	U U U U U U
3	Restricted Applications	(EP	GRADE	Ż	E ST gen	GRA /hite	GRADE V (Neoprene)	GRADE oroelaste	3RA gen	chlo	GRADE L (Silicone)
	Insufficient Data				/dro	ૅટ	9E	Eluc	lalo	E pig	0.0
	Chemical				Я. Н)	L L		
Monomethyl		1	2		2	2	2	3			3
-	amine (MMA)	1	3		3	3	1				2
Mononitrotol	uene uene & Dinitrotoluene (40/60 Mixture)	1	3		3 3	3 3	1 3	3 3			2
Monovinyl Ad	, ,	1	1		ہ 1	- 3 - 1	3 2	3 1			2
Mopar Brake			3		3	3	2	3			3
Morpholine							3	2			
Motor Oils		3	1		1	1	2	1			2
Mustard Gas	3	1					1	1			- 1
Myristic Acid							3	1			
Naphtha		3	2	2	2	2	3	1		1	3
Naphtha, 160	0°F/71°C	3	2		2	2	3	1		2	3
Naphthalene						Victaul		s Renr	esenta		
Naphthalene				1			3	1			
•	Sulfonic Acid						3	1			
Naphthalenic	c Acid	3	2	2	2	2	3	1			3
Naphthalonic	c Acid	3					3	1			3
Naphthenic A	Acid	3	2	2	2	2	3	1			3
Natural Gas		3	1	1	1	1	1	1		1	3
Neatsfoot Oil	1	2	1		1	1	3	1			2
Neon		1	1		1	1	1	1			1
Neville Acid		2	3	3	3	3	3	1			3
Nickel Aceta	te	1	2	2	2	2	2	3			3
Nickel Aceta	te to 10%, 100°F/38°C	2	2	2	2	2	2	3			3
Nickel Ammo	onium Sulfate	1	3	3	3	3	1	3			2
Nickel Chlori	ide	1	1		1	1	2	1			1
Nickel Cyani	de	1	3	2	3	3	1	3			2

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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Rating Code Key T GRADE ST / GRADE | (Hydrogenated Nitrile) GRADE M (Halogenated Butyl) GRADE M2 (Epichlorohydrin) 1 **Most Applications** GRADE O (Fluoroelastomer) GRADE A (White Nitrile) GRADE V (Neoprene) GRADE L (Silicone) Grade E (EPDM) GRADE T (Nitrile) 2 **Limited Applications** 3 **Restricted Applications Insufficient Data** ---Chemical Nickel Nitrate 2 -------Nickel Salts 1 1 2 1 -------1 1 Nickel Sulfate 1 1 -------1 1 1 1 1 ----Nicotinamide (Niacinamide) ---------1 --------Nicotinamide Hydrochloride 1 2 Nicotine -------------3 -----------Nicotine Sulfate -------2 1 Niter Cake 1 1 1 1 1 1 --------1 Nitric Acid 3 Molar to 158°F/70C 2 ---Nitric Acid Concentrated to 158°F/70C 3 --------2 2 Nitric Acid to 10%, 75°F/24°C -------1 3 ---Nitric Acid, 10-50%, 75°F/24°C 3 1 ---3 Nitric Acid, 50-100%, 75°F/24°C -------Nitric Acid, Red Fuming 3 3 З ----Nitric Acid, White Fuming 3 -------2 Nitroaniline 3 1 ---2 Nitrobenzene ---Nitrobenzoic Acid 3 ----2 1 ----2 Nitrocellulose 1 -------2 Nitrochlorobenzene 2 2 1 2 1 ----Nitrochloroform 2 1 1 ------1 2 Nitrodiethylaniline 1 ----------------------------Nitrodiphenyl Ether ---------Nitroethane 2 ------Nitrofluorobenzene 1 3 1 --------2 Nitrogen Gas 1 1 ---1 1 1 1 Nitrogen Oxides 1 1 -------2



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

are valid onl • Gasket comp a particular familiar with • Victaulic offe application. gasket is se	WARNING tion contained herein is general in nature and re ly for Victaulic compounds. appliciation dependent upon a number of factors. application must be determined by a competent system-specific conditions. rs no warrantiles, expressed or implied, of a pro Contact your Victaulic sales representative to er lected for a particular service. low these instructions could cause system fa	ations / for / pest			6490 Re	. ,				
	onal injury and property damage.									
	Rating Code Key			-						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			(L	tyl)	Ē	
2	•••		⊢_	I Nit	GRADE A (White Nitrile)	> (je	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	<u>ہ</u> ا
	Limited Applications	Grade E (EPDM)	GRADE T (Nitrile)	-/G	Nit DE	GRADE V (Neoprene)	VDE elast	DE	GRADE M2 bichlorohydr	GRADE L
3	Restricted Applications	(EF	N R R	E ST	hite	ARA Veo	GRA Droe	3RA gen	chlo	GR/
	Insufficient Data			ADE	Ľξ		Eluc	lalo	(E pi	
	Chemical			Ц Ц Ц				L T	_	
Nitrogon Tot	troxide (N2O4)	3	3	3	3	3	3			3
Nitrogen Trif										
Nitroglycerin		1	3	3	3	1	3			2
Nitrogylcero		1	3	3	3	1	3			2
Nitroisoprop		1	3	3	3	1	3			2
Nitromethan	·	2	3	3	3	3	3			3
Nitrophenol		1	3	3	3	1	3			2
Nitropropane	e	2	3	3	3	3	3			3
Nitrosyl Chlo	oride	3	3	3	3					
Nitrosylsulfu	iric Acid									
Nitrothiophe	ne	1	3	3	3	1	3			2
Nitrotoluene	•	1	3	3	3	1	3			2
Nitrous Acid		1	3	3	3	1	3			2
Nitrous Oxid	le	1	1	1	1	2	3			1
Nonane		3	1	1	1	2	1			2
Noryl GE Ph	nenolic	1	1	1	1					
Nyvac FR20	00 Mobil	1	1	1	1	2	1			
Octachloro 7	Toluene	3	3	3	3	3	1			3
Octadecane		3	1	1	1	2	1			3
,	Dctanaldehyde)	3	1	1	1	2	3			2
Octane or n-		3	2	2	2	3	1			3
Octyl Acetat		1	3	3	3	1	3			2
Octyl Alcoho		3	2	2	2	2	1			2
Octyl Chlorid		3	1	1	1	2	2			2
Octyl Phthal Oil, Crude		3	3	3	3	3	3		2	3
on, oruge		3	1	1	1	2	1			3



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

Revision: GSG-100 6490 Rev.(AA)

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Rating Code Key1Most Applications2Limited Applications3Restricted ApplicationsInsufficient DataChemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Oil, Motor	3	1	1	1	2	1			2
Oil, Sour Crude	3	2	2	2	3	1			3
Olefins	3	1	1	1	3	1			3
Oleic Acid	3	3	3	3	3	2		1	3
Oleum (Fuming Sulfuric Acid)	3	3	3	3	3	3		3	3
Oleum Spirits	3	2	2	2	3	1			3
Oleyl Alcohol	1	1	1	1	1	1			1
Olive Oil	2	1	1	1	2	1		1	3
Oronite 8200, 8515	3	2	2	2	1	1		3	3
Ortho-Chloro Ethyl Benzene	3	3	3	3	3	2			3
Ortho-Chloroaniline	1	3	3	3	1	3			2
Ortho-Chlorophenol	1	3	3	3	1	3			2
Ortho-Cresol	1	3	3	3	1	3			2
Ortho-Dichlorobenzene	3	3	3	3	3	1			3
Ortho-Nitrotoluene	1	3	3	3	1	3			2
OS45 Type III Silicate Ester	3	2	2	2	1	1			3
OS45 Type IV / OS45-1	3	2	2	2	1	1			3
OS70	3	2	2	2	1	1			3
Oxalic Acid	1	2	2	2	2	1		3	3
Oxygen, 70F/21C to 200F/93C	2	2	2	2	2	2		3	2
Oxygen, Cold to 70F/21C	2	2	2	2	2	2		2	2
Oxygen, 200F/93C to 300F/149C	3	3	3	3	3	2		3	2
Oxygen, 300F/149C to 400F/204C	3	3	3	3	3	3		3	2
Oxygen, Liquid	3	3	3	3	3	3			3
Ozonated Deionized Water	1	3	3	3	1	3			2
Ozone to 100ppm	1	3	3	3	2	1		1	1
Ozone to 200ppm	3	3	3	3	3	1		3	1



Gasket Chemical Services Guide

	A WARNING		on: GS	G-100 (6490 Re	ev.(AA)				
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	Rating Code Key			-						
1	Most Applications			Lie F			÷	(آکر		
			<u>–</u>	INI	alle)	> @	Ome	But	drir drir	
2	Limited Applications	Grade E (EPDM)	GRADE 1 (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	GRADE L
3	Restricted Applications	(EPa	Nit Nit	gen	hite	ARA	3RA oroe	3RA gena	BAI	BRA
	Insufficient Data			ADE /dro	5	02	Eluc	lalo	D ig	
	Chemical			L H B H				L T		
Ozone to 30)0ppm	3	3	3	3	3	3		3	1
Paint Thinne	er, Duco	3	3	3	3	3	2			3
Palmitic Acid	d	2	1	1	1	2	1		2	3
P-Aminoben	nzoic Acid	2	3	3	3	3	3			
Para-Aminol	benzoic Acid	1	3	3	3	1	3			2
Para-Amino:	salicylic Acid	1	3	3	3	1	3			2
Para-Chloro	phenol	1	3	3	3	1	3			2
Paracymene	9	3	3	3	3	3	1			3
Para-Dichlor	robenzene	3	3	3	3	3	1			3
Paraffins		3	1	1	1	2	1			2
Para-Forma	ldehyde	1	3	3	3	1	3			2
Paraldehyde		1	3	3	3	1	3			2
Par-al-Ketor		3	3	3	3	3	3			3
Para-Nitroar		1	3	3	3	1	3			2
Para-Nitrobe		1	3	3	3	1	3			2
Para-Nitroph	nenoi	1 	3	3	3	1	3			2
Parathion	ne Sulfonic Acid		3	3	3	 1	1			2
Parker O Lu		3	1	1	1	1	- 1			2
Peanut Oil		3	1	1	1	3	1		1	1
Pectin (Lique	or)	3	1	1	1	3	1			1
Pelagonic A			1	1	1		3			
Penicillin (Li						3	1			2
Pentachloro			3	3	3	3	3			
Pentachloro	phenol	1	3	3	3	1	3			2
Pentaerythri	itol	1	3	3	3	1	3			2
	itol Tetranitrate		3	3	3	1	3			2



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2



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Gasket Chemical Services Guide

AWARNING

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	Rating Code Key			I_							
1	Most Applications			DE			er)	utyl)	i)		
2	≡€	Г П П	ARA N be	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	Ц Ц Д е		
3	Limited Applications Restricted Applications		Grade E (EPDM)	GRADE T (Nitrile)	T / (ADE	ADE	GRADE O oroelastom	ADE	ADE	GRADE L (Silicone)
	Insufficient Data				S E S	GH	US CH	GB	GR	G.R.	G G Si
Chemical					GRADE ST / GRADE H (Hydrogenated Nitrile)			Ē	(Hal	U U	
			00								
Pentane or r	n-Pentane		3	1	1	1	1	1			3
Pentane, 2 M	Methyl		3	1	1	1	2	1			3
Pentane, 2-4	4 dimethyl		3	1	1	1	2	1			3
Pentane, 3-I	Methyl		3	1	1	1	2	1			3
Pentoxone								3			
Pentyl Penta	anoate		3	1	1	1	2	1			2
Peracetic Ac	cid		1	3	3	3	1	3			2
Perchloric A	cid			Со	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Perchloric A	cid - 2N			Co	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Perchloroeth	hylene		3	2	2	2	3	1		2	3
Petrolatum			3	1	1	1	2	1			3
Petrolatum B	Ether		3	1	1	1	2	3			2
Phenol (Car	bolic Acid)		3	3	3	3	3	1			3
Phenol Sulfo	onic Acid		1	3	3	3	1	1			3
Phenol, 70%	6 / 30% H2O		3	3	3	3	3	3			3
Phenol, 85%	6 / 15% H2O		3	3	3	3	3	3			3
Phenolic Su	lfonate		1	3	3	3	1	3			2
Phenolsulfor			1	3	3	3	1	3			2
Phenylaceta							3	1			
Phenylaceta			1	3	3	3	1	3			2
Phenylacetic			1	3	3	3	1	3			2
	Phenylbenzene			3	3	3	3	1			3
	henylethyl Alcohol						3	3			
	henylethyl Ether				3	3	3	3			3
	Malonic Ester						3	1			
Phenylglyce			1	3	3	3	1	3			2
Phenylhydra	azine		2	3	3	3	3	2			

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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	Rating Code Key			I						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			er)	ltyl)	Ê	
2	Limited Applications	шę		ARA N N	trile	≥ (î	0 Ū	≥ ^B	M2 Ndri	l (e
3	Restricted Applications	Grade E (EPDM)	GRADE ⁻ (Nitrile)	T / C nate	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	9 <u>9</u>	R R C R C R	E S Oge	GR	GR	GR	GR	GR/ bichl	GH (Si
	insuncient Data			Hydr			(FIL	(Hal	Ű	
	Chemical			0=						
Phenylhydra	azine Hydrochloride	1	3	3	3	1	3			2
Phenylmerc	uric Acetate	1	3	3	3	1	3			2
Phorone (Di	iisopropylidene Acetone)	3	3	3	3	3	3			3
Phosgene			Со	ntact a	Victau	lic Sale	s Repr	esenta	tive	
Phosphate E	Ester	1	3	3	3	3	3		3	3
Phosphoric	Acid 3 Molar to 158°F/70C	1	1	1	1	2	1			2
	Acid 85% to 200°F/93C	3	3	3	3	3	3			3
	Acid Concentrated Room Temp	1	2	2	2	2	1			3
	Acid Concentrated to 158°F/70C	1	3	3	3	3	1			3
Phosphoric .		1	2	2	2	2	1			2
Phosphoric	S Oxychloride	<mark>1</mark> 3	3 3	3 3	3 3	2 3	1			3
Phosphorus			3	3	3	3	1			
· ·	s Trichloride Acid	1	3	3	3	3	1			
Photographi		2	2	2	2	2	1			1
Phthalic Aci	d	1	3	3	3	1	3			2
Phthalic Anh	hydride	1	3	3	3	1	3			2
Pickling Solu	ution	3	3	3	3	3	2		3	3
Picric Acid (aq)	2	2	2	2	3	1			3
Picric Acid N	Nolten	2	2	2	2	2	1			3
Pine Oil		3	1	1	1	3	1		2	3
Pine Tar		3	1	1	1	2	1			2
Pinene		3	2	2	2	3	1			3
Piperazine		3	3	3	3	3	3			3
		3	3	3	3	3	3			3
Piperidine	tions (gold, brass, cadmium, copper, lead, silver, ni		1	1	1		1			

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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Rating Code Key 1 Most Applications 2 Limited Applications 3 Restricted Applications Insufficient Data Chemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Plating Solutions Others	1	1	1	1	3	1			3
Pneumatic Service	1	1	1	1	1	1			3
Polyethylene Glycol	1	2	2	2	2	3			
Polyglycerol	1	3	3	3	1	3			2
Polyglycol	1	3	3	3	1	3			2
Polyvinyl Acetate Emulsion	1	1	1	1	2	3			3
Polyvinyl Alcohol	1	1	1	1		1			
Potassium Acetate	1	2	2	2	2	3			3
Potassium Acid Sulfate	1	3	3	3	1	3			2
Potassium Alum	1	3	3	3	1	3			2
Potassium Aluminum Sulfate	1	3	3	3	1	3			2
Potassium Antimonate	1	3	3	3	1	3			2
Potassium Bicarbonate	1	3	3	3	1	3			2
Potassium Bichromate	1	3	3	3	1	3			2
Potassium Bifluoride	1	3	3	3	1	3			2
Potassium Bisulfate	1	3	3	3	1	3			2
Potassium Bisulfite	1	3	3	3	1	3			2
Potassium Bitartrate	1	3	3	3	1	3			2
Potassium Borate	1	1	1	1	1	1			
Potassium Bromate	1	2	2	2	2	1			
Potassium Bromide	1	3	3	3	1	3			2
Potassium Carbonate	1	3	3	3	1	3			2
Potassium Chlorate	1	3	3	3	1	3			2
Potassium Chloride	1	1	1	1	1	1		1	1
Potassium Chromate	1	3	3	3	1	3			2
Potassium Citrate	1	3	3	3	1	3			2
Potassium Cupro Cyanide	1	1	1	1	1	1			1



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	Rating Code Key			-						
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			ar)	tyl)	Ê	
2	Limited Applications	ш <u>с</u>		d Nit	A trile)	<u>َ</u> آ ج	Ome	Bu	M2 ydrii	L (
		Grade E (EPDM)	GRADE 7 (Nitrile)	Г / G	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
3	Restricted Applications	2 E	- B B C B C C	E S.	CBR,	GR	GR/	GR/	GRA	G, B, S
Insufficient Data				AD	S		(Flu	Halo	(Ep	
	Chemical			명민						
Potassium C	Cyanate	1	3	3	3	1	3			2
Potassium C	Syanide	1	1	1	1	1	1		1	1
Potassium D	Dichromate	1	1	1	1	1	1			1
Potassium D	Diphosphate	1	3	3	3	1	3			2
Potassium F	erricyanide	1	3	3	3	1	3			2
Potassium F	errocyanide	1	3	3	3	1	1			
Potassium F	luoride	1	3	3	3	1	3			2
Potassium G	Glucocyanate	1	3	3	3	1	3			2
Potassium H	łydroxide	1	2	2	2	2	3		1	3
Potassium H	lypochlorite	1	3	3	3	1	3			2
Potassium Io	odate	1	3	3	3	1	3			2
Potassium Io	odide	1	3	3	3	1	3			2
Potassium N	letabisulfate	1	3	3	3	1	3			2
Potassium N	letachromate	1	3	3	3	1	3			2
	Ionochromate	1	3	3	3	1	3			2
Potassium N		1	1	1	1	1	1		1	1
Potassium N		1	3	3	3	1	3			2
Potassium C	Dxalate	1	3	3	3	1	3			2
Potassium P		1	2	2	2	1	2			
Potassium P		1	3	3	3	1	3			2
	Perfluoro Acetate	1	2	2	2	3	3			
	Permanganate	1	3	3	3	1	3			2
Potassium P		1	3	3	3	1	3			2
Potassium Phosphate (Acid)		1	3	3	3	1	3			2
	Potassium Phosphate (Alkaline) Potassium Phosphate (Di/Tri Basic)			3 3	3 3	1	3 3			2
	HUSDINGE (DI/ III DASIC)	1	3							2

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Potassium Salts 1	Rating Code Key1Most Applications2Limited Applications3Restricted ApplicationsInsufficient DataChemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Potassium Sodium Tartrate 1 3 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 3 3 1 <th1< <="" td=""><td>Potassium Salts</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td></td><td></td><td>1</td></th1<>	Potassium Salts	1	1	1	1	1	1			1
Potassium Stannate 1 3 3 1 3 2 Potassium Stearate 1 3 3 3 1	Potassium Silicate	1	1	1	1	1	1			1
Potassium Stearate I 8 8 8 8 1 8 Potassium Sulfate 1	Potassium Sodium Tartrate	1	3	3	3	1	3			2
Potassium Sulfate 1 <th1< th=""> 1 1</th1<>	Potassium Stannate	1	3	3	3	1	3			2
Patassium Sulfide 1 3 3 3 3 1 3 2 Potassium Sulfile 1	Potassium Stearate	1	3	3	3	1	3			2
Potassium Sulfite 1	Potassium Sulfate	1	1	1	1	1	1		1	1
Potassium Tartrate 1 8 8 3 1 3 2 Potassium Thiocyanate 1 3 8 3 1 3 2 Potassium Thiocyanate 1 3 8 3 1 3 2 Potassium Triphosphate 1 3 8 3 1 3 2 Potassium Triphosphate 1 3 8 3 1 1 3 2 Prostone Antifreeze 1 1 1 1 1 2 2 Producer Gas 3 1 1 1 2 1 1 3 Propane Gas 3 1 1 1 1 1 1 3 Propionaldehyde 1 3 3 3 1 3 3 3 3 3 3 Propionitrile 2 3 3 3 3 3	Potassium Sulfide	1	3	3	3	1	3			2
Potassium Thiocyanate 1 3 3 3 1 3 2 Potassium Thiosulfate 1 3 3 3 1 3 2 Potassium Triphosphate 1 3 3 3 1 3 2 Potassium Triphosphate 1 3 3 3 1 1 3 2 Prestone Antifreeze 1 1 1 1 1 2 2 Producer Gas 3 2 2 2 1 1 3 Propane Gas 3 1 1 1 1 2 1 1 3 Propangyl Alcohol 1 1 1 1 1 1 1 3 Propionic Acid 1 3 3 3 1 3 3 3 2 Propionitrile 3 3 3 3 3 3 3	Potassium Sulfite	1	1	1	1	1	1			1
Potassium Thiosulfate 1 3 3 3 1 3 2 Potassium Triphosphate 1 3 3 3 3 1 3 2 Prestone Antifreeze 1 1 1 1 1 2 2 Prestone Antifreeze 1 1 1 1 1 2 2 Producer Gas 3 2 2 2 2 1 2 Propane Gas 3 1 1 1 1 2 1 2 Propane Gas 3 1 1 1 1 1 1 3 Propargyl Alcohol 1 3 3 3 1 1 3 3 2 Propionic Acid 1 3 3 3 1 3 2 Propyl Acetone or n-Propyl Acetone 1<	Potassium Tartrate	1	3	3	3	1	3			2
Potassium Triphosphate 1 3 3 3 3 1 3 2 Prestone Antifreeze 1 1 1 1 1 2 1 1 PRL-High Temp. Hydr. Oil 3 2 2 2 2 1 2 Producer Gas 3 1 1 1 2 1 1 3 Propane Gas 3 1 1 1 1 2 1 1 3 Propargyl Alcohol 1 1 1 1 1 1 1 3 3 3 1 1 1 3 3 3 1 1 1 3 3 3 1 1 1 1 3 3 3 1 1 1 1 1 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 <td< td=""><td>Potassium Thiocyanate</td><td>1</td><td>3</td><td>3</td><td>3</td><td>1</td><td>3</td><td></td><td></td><td>2</td></td<>	Potassium Thiocyanate	1	3	3	3	1	3			2
Prestone Antifreeze 1 1 1 1 1 1 2 1 PRL-High Temp. Hydr. Oil 3 2 2 2 2 1 2 Producer Gas 3 1 1 1 2 1 1 2 Propane Gas 3 1 1 1 2 1 1 3 Propargyl Alcohol 1 1 1 1 1 1 1 3 Propionaldehyde 1 3 3 3 1 3 2 Propionic Acid 1 3 3 3 1 3 2 Propionic Acid 1 3 3 3 1 3 2 2 Propionic Acid 1 3 3 3 3 2 Propyl Acetate 2 3 3 3 3 3 3 Propyl Acetone or n-Propy	Potassium Thiosulfate	1	3	3	3	1	3			2
PRL-High Temp. Hydr. Oil 3 2 2 2 2 1 2 Producer Gas 3 1 1 1 2 1 2 Propane Gas 3 1 1 1 2 1 1 3 Propare Gas 3 1 1 1 1 2 1 1 3 Propare Gas 1 1 1 1 1 1 1 3 Propareyl Alcohol 1 1 1 1 1 1 2 Propionic Acid 1 3 3 3 1 3 2 Propionic Acid 1 3 3 3 1 3 2 Propyl Acetate 2 3 3 3 3 3 3 3 Propyl Acetate 1 1 1 1 1 1 1 1 1 1 1 1	Potassium Triphosphate	1	3	3	3	1	3			2
Producer Gas 3 1 1 1 2 1 2 Propane Gas 3 1 1 1 1 2 1 2 Propare Gas 3 1 1 1 1 1 1 3 Proparegyl Alcohol 1 1 1 1 1 1 2 Propionaldehyde 1 3 3 3 1 3 2 Propionic Acid 1 3 3 3 1 3 2 Propionitrile 3 1 1 1 2 3 2 Propyl Acetate 2 3 3 3 3 3 3 Propyl Acetone or n-Propyl Acetone 1 3 3 3 3 3 3 Propyl Alcohol (Propanol) 1 1 1 1 1 1 1 3	Prestone Antifreeze	1	1	1	1	1	2			1
Propane Gas 3 1 1 1 2 1 1 3 Propane Gas 1<	PRL-High Temp. Hydr. Oil	3	2	2	2	2	1			2
Propargyl Alcohol 1	Producer Gas	3	1	1	1	2	1			2
Propionaldehyde 1 3 3 3 1 3 2 Propionic Acid 1 3 3 3 1 3 2 Propionic Acid 1 3 3 3 1 3 2 Propionic Acid 1 3 3 3 1 3 2 Propionitrile 3 1 1 1 2 3 2 Propyl Acetate 2 3 3 3 3 3 3 3 Propyl Acetone or n-Propyl Acetone 1 3 3 3 3 3 Propyl Alcohol (Propanol) 1	Propane Gas	3	1	1	1	2	1		1	3
Propionic Acid 1 3 3 3 1 3 2 Propionitrile 3 1 1 1 2 3 2 Propyl Acetate 2 3 3 3 3 3 3 3 Propyl Acetate 2 3 3 3 3 3 3 3 Propyl Acetone or n-Propyl Acetone 1 3 3 3 3 3 Propyl Alcohol (Propanol) 1	Propargyl Alcohol	1	1	1	1	1	1			
Propionitrile 3 1 1 1 2 3 Propyl Acetate 2 3	Propionaldehyde	1	3	3	3	1	3			2
Propyl Acetate 2 3	Propionic Acid	1	3	3	3	1	3			2
Propyl Acetone or n-Propyl Acetone 1 3 1	Propionitrile	3	1	1	1	2	3			
Propyl Alcohol (Propanol) 1<	Propyl Acetate	2	3	3	3	3	3		3	3
Propyl Nitrate 2 3 3 3 3 3 3 Propyl Propionate 1 3 3 3 1 3 2 Propylamine 1 3 3 3 1 3 2	Propyl Acetone or n-Propyl Acetone	1	3	3	3	3	3			3
Propyl Propionate 1 3 3 1 3 2 Propylamine 1 3 3 3 1 3 2	Propyl Alcohol (Propanol)	1	1	1	1	1	1		1	1
Propylamine 1 3 3 1 3 2	Propyl Nitrate	2	3	3	3	3	3			3
	Propyl Propionate	1	3	3	3	1	3			2
Propylbenzene 3 1	Propylamine	1	3	3	3	1	3			2
	Propylbenzene					3	1			

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

	A WARNING		ion: (GSC	G-100 6	6490 Re	ev.(AA)				
are valid onl • Gasket comp a particular a familiar with • Victaulic offe application. gasket is sel	tion contained herein is general in nature and y for Victaulic compounds. patibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative to lected for a particular service.	Suitability for individual duct in any nsure the best									
	low these instructions could cause syster onal injury and property damage.	ailure, resulting in									
	Rating Code Key				т.						
1	Most Applications				GRADE ST / GRADE H (Hydrogenated Nitrile)			er)	ityl)	Ê	
2	Limited Applications	Grade E (FPDM)	GRADE T		aRA d Ni	GRADE A (White Nitrile)	⇒(î	GRADE O Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	Ц Ш
	3 Restricted Applications				T / C nate	ADE e Ni	GRADE V (Neoprene)	GRADE O oroelaston	GRADE M ogenated B	ADE	GRADE L (Silicone)
					DGe oge	GR	Uer Ne	GR	GR	GR/ bichl	Ц С Ц С Ц С Ц
	Insufficient Data				Hydr	e		(FIL	(Hal	Ц Ц Ц	
	Chemical				Ξ÷						
Propylene		3	3		3	3	3	1			3
Propylene C	Chloride	3	3		3	3	3	1			3
Propylene C	Chlorohydrin						3	1			
Propylene D	Dichloride						3	1			
Propylene G	·	1	1		1	1	1	1			1
	Slycol 30% + tap water @250F/121C	1									
	alycol 50% + tap water @250F/121C	1		_							
Propylene In							3	1			
Propylene O		2	3	_	3	3	3	3			3
Pydraul 90E Pydraul F - 9		1	3	_	3	3 Mietewi	3	1			1
Pydraul, 10E			3	-	act a	Victaul 3	ic Sale	s Repr	esenta	3	3
Pydraul, 115			3	_	3	3	3	1		3	3
· ·	DC, 312C, 540C, A200	3	3		3	3	3	1		3	3
	ELT 30E, 50E, 65E	1	3	_	3	3	3	1		3	1
Pyranol 146		3	1		1	1	3				1
Pyranol 147	6	3	1		1	1	3	1			
Pyranol Trar	nsformer Oil	3	1		1	1	2	1		3	3
Pyridine		2	3		3	3	3	3		3	3
Pyridine Oil		2	3		3	3	3	3			3
Pyridine Sulf	fate	1	3		3	3	1	3			2
Pyridine Sulf	fonic Acid	1	3		3	3	1	3			2
Pyrogallol (F	Pyrogallic Acid)	3	2		2	2	3	1			
	yrogard 42, 43, 55				3	3	3	3			3
	rogard 53, Mobil Phosphate Ester				3	3	3	3			3
Pyrogard D,	Mobil Water-in-Oil Emulsion	3	1		1	1	2	3			3
Pyroligneous	s Acid	2	3		3	3	2	3			



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

Revision: GSG-100 6490 Rev.(AA)

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Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.

1 2 3 	Rating Code Key Most Applications Limited Applications Restricted Applications Insufficient Data Chemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Pyrolube		2	3	3	3	3	1			2
Pyrosulfuric A		1	3	3	3	1	3			2
Pyrosulfuryl C	Chloride	3	2	2	2	3	1			
Pyrrole		3	3	3	3	3	3			2
Pyruvic Acid		1	3	3	3	1	3			2
Quinidine		3	2	2	2	3	1			
Quinine		3	2	2	2	3	1			
Quinine Bisul		1	3	3	3	1	3			2
Quinine Hydr		1	3	3	3	1	3			2
Quinine Sulfa		1	3	3	3	1	3			2
Quinine Tartr	ate	1	3	3	3	1	3			2
Quinizarin		3	2	2	2	3	1			
Quinoline		3	2	2	2	3	1			
Quinone		3	2	2	2	3	3			
· · ·	amma, 1.0 E+07 Rads)	2	3	3	3		3			2
Raffinate		3	2	2	2	3	1			3
Rapeseed Oi		1	2	2	2	2	1			3
Red Line 100		3	1	1	1	2 2	1			3
Red Oil (MIL-	-H-5000)	 3	1	1	1		1			3
Resorcinol		1	3	3	3 2	1 3	3			
Ricinoleic Aci	id	3	2	2	2	3	1			
RJ-1 (MIL-F-2		3	2	2	2	2	1			3
Rosin	2000	3	2	2	2	3	1			ہ 1
RP-1 (MIL-R-	-25576)	3	1	1	1	2	1			3
Saccharin So		1	3	3	3	1	3			2
Sal Ammonia		1	1	1	1	1	1			2


SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

 are valid only Gasket comp a particular a familiar with Victaulic offee application. (gasket is selentiar) Failure to follow 	EWARNING ion contained herein is general in nature and recommendation y for Victaulic compounds. natibility is dependent upon a number of factors. Suitability for application must be determined by a competent individual system-specific conditions. rs no warranties, expressed or implied, of a product in any Contact your Victaulic sales representative to ensure the best lected for a particular service. ow these instructions could cause system failure, resultir onal injury and property damage.		, do	1						
	Rating Code Key			I						
1	Most Applications			VDE litrile			ler)	GRADE M (Halogenated Butyl)	in)	
2	Limited Applications	ШЭ	н ш	PAR N De	≣ A itrile	> ()	stom	≥®	hydr	Э С
3	Restricted Applications	Grade E (EPDM)	GRADE ⁻ (Nitrile)	sT / c	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	ADE	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	<u> </u>	195	ы С Ш С Ш С Ш С	Rhid	Re R	GH	GH oge	G.R.	L L S
	Chemical			GRADE ST / GRADE H (Hydrogenated Nitrile)			(Fi	(Hal	<u> </u>	
Salicylic Acid	d	1	2	2	2	1	1			
Santo Safe 3	300	3	3	3	3	3	1			1
Sea Water, s	salinity ~ 3.5%	1	1	1	1		3			1
Sebacic Acic	t	1	3	3	3	1	3			2
Selenic Acid		1	3	3	3	1	3			2
Selenous Ac	id	1	3	3	3	1	3			2
Sewage		2	1	1	1	2	1			1
SF 1147 GE	Silicone Fluid	3	2	2	2		1			3
SF 1154 GE	Silicone Fluid	1	2	2	2	1	1			3
SF96 GE SII	licone Fluid	1	2	2	2	1	1			3
Shell 3XF Mi	ine Fluid (Fire resist hydr.)	3	1	1	1	2	1			3
Shell Alvania	a Grease #2	3	1	1	1	2	1			2
Shell Carnea	a 19 and 29	3	1	1	1	3	1			
Shell Diala		3	1	1	1	2	1			3
Shell Irus 90	5	3	1	1	1	2	1			3
Shell Lo Hyd	drax 27 and 29	3	1	1	1	2	1			3
Shell Macorr	ne 72	3	1	1	1	2	1			3
Shell Tellus	#32 Pet. Base	3	1	1	1	2	1			3
Shell Tellus		3	1	1	1	2	1			3
	27 (Petroleum Base)	3	1	1	1	2	1			3
Shell Tellus		3	1	1	1	2	1			3
,	5% Aromatic)	3	1	1	1	2	1			3
Shellac		1	3	3	3	1	3			2
Silicate Este	rs	3	2	2	2	1	1			3
Silicic Acid		1	1	1	1	1	1			
Silicon Fluor	ide	1					1			
Silicon Tetra	chloride	3	3	3	3		3			3



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

are valid only • Gasket comp a particular a familiar with • Victaulic offee application. (gasket is sel Failure to follow	WARNING ion contained herein is general in nature an y for Victaulic compounds. Datibility is dependent upon a number of fact application must be determined by a compe system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative i lected for a particular service. Now these instructions could cause syste onal injury and property damage.	nmendations uitability for lividual zt in any ire the best	on: GS		5430 He	v.(nn)				
				1	1					1
	Rating Code Key			€ H						
1	Most Applications			ADE	(e		ner)	sutyl	rin)	
2	Limited Applications	Ξ	н Ш	GR/ ed D	E A Jitrile	Ene)	E O	E E E E E E E E E E E E E E E E E E E	M	Ц
3	Restricted Applications	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	GRADE L
	Insufficient Data	00	5	Log	5 S	ΰž	Inor.	Ioge	GH	<u> </u>
	indunition Data			Hyd			E	(Ha		
	Chemical			0						
Silicone Grea	ases	1	1	1	1	1	1		1	3
Silicone Oils	i	1	1	1	1	1	1		1	3
Silver Bromio	de	1	3	3	3	1	3			2
Silver Chlorid	de	1	3	3	3	1	3			2
Silver Cyanic	de	1	3	3	3	1	3			2
Silver Nitrate	9	1	2	2	2	1	1			1
Silver Sulfate	e	1	3	3	3	1	3			2
Sinclair Opal	line CX-EP Lube	3	1	1	1	2	1			3
Skelly, Solve	ent B, C, E	3	1	1	1	3	1			
Skydrol 500	B4	1	3	3	3	3	3		3	3
Skydrol 7000	0	1	3	3	3	3	2		3	3
Skydrol LD-4	4	1	3	3	3	3	3			3
Soap Solutio	ons	1	1	1	1	2	1		1	1
Socony Mob	ile Type A	3	1	1	1	2	2			3
	uum AMV AC781 (Grease)	3	1	1	1	2	2			3
	uum PD959B	3	1	1	1	2	1			3
Soda Ash		1	1	1	1	1	1		1	1
Sodium Acet		1	2	2	2	2	3			3
Sodium Acid		1	3	3		1	3			2
Sodium Acid		1	3	3	3	1	3			2
Sodium Alun	ninate Sulfate	1	3	3 3	3 3	1	3 3			2
	nraquinone Disulfate	1	3	3	3	1	3			2
Sodium Anti	· · · · · · · · · · · · · · · · · · ·	1	3	3	3	1	3			2
Sodium Anta		1	3	3	3	1	3			2
Sodium Arse		1	3	3	3	1	3			2
2 2 3 4 4 4 1 7 1 9 0			3	3	3		3			2



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serious perso	onal injury and property damage.										
	Rating Code Key				Τ-						
1	Most Applications				GRADE ST / GRADE H (Hydrogenated Nitrile)			er)	ţ <u></u>	Ê	
2	Limited Applications	ш.	e	н Г	d Ni	GRADE A (White Nitrile)	> (e	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	ے آ
		Grade E	2	GRADE (Nitrile)	т / G nate	ADE e Nit	GRADE V (Neoprene)	GRADE O oroelaston	ADE	DE	GRADE L (Silicone)
3	Restricted Applications	D.	Щ	GR, N	E S' ogei	GR, Vhit	GR, Nec	GR/ loro(GR/	GRA	Ц Ц Ц Ц С Ц С Ц С Ц
	Insufficient Data				AD	2	-	(FIL	Halo	Ŭ Ŭ	
	Chemical				Ê.Ţ						
Sodium Bica	arbonate (Baking Soda)	1	1	1	1	1	1	1		1	1
Sodium Bich	nromate	1	1	3	3	3	1	3			2
Sodium Biflu		1	1	3	3	3	1	3			2
	ulfate or Bisulfite	1	1	1	1	1	1	1		1	1
Sodium Bisu		1		3	3	3	1	3			2
Sodium Bisu		1		1	1	1	1	1		1	1
Sodium Bita		1		3	3	3	1	3			2
Sodium Bora		1	_	1	1	1	1	1 3			1
Sodium Bror			_	3	3 3	3 3	1	3			2
	bonate (Soda Ash)			1	1	1	1	1			1
Sodium Chlo	· ,	1	_	3	3	3	1	3			2
Sodium Chlo			_	1	1	1	1	1		1	- 1
Sodium Chlo		1	1	3	3	3	1	3			2
Sodium Chlo	oroacetate	1	1	3	3	3	1	3			2
Sodium Chro	omate	1	1	3	3	3	1	3			2
Sodium Citra	ate	1	1	3	3	3	1	3			2
Sodium Cya	anamide	1	1	3	3	3	1	3			2
Sodium Cya	anate	1	1	3	3	3	1	3			2
Sodium Cya	anide	1	1	1	1	1	1	1		1	1
Sodium Diad		1	1	3	3	3	1	3			2
	henyl Sulfonate	1	1	3	3	3	1	3			2
Sodium Diph	•	1	1	3	3	3	1	3			2
Sodium Disi		1	_	3	3	3	1	3			2
Sodium Ethy	•	1	_	3	3	3	1	3			2
Sodium Ferr	•	1	_	3	3	3	1	3			2
Codium Lorr	rocyanide	1	1	3	3	3	1	3			2



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Sodium Fluoride	1	3	3	3	1	3			2
Sodium Fluorosilicate	1	3	3	3	1	3			2
Sodium Glutamate	1	3	3	3	1	3			2
Sodium Hydride	1								
Sodium Hydro Sulfide	1	3	3	3	1	3			
Sodium Hydrogen Sulfate	1	3	3	3	1	3			2
Sodium Hydrosulfide	1	3	3	3	1	3			2
Sodium Hydrosulfite	1	3	3	3	1	3			2
Sodium Hydroxide 3 Molar	1	2	2	2	2	2		2	
Sodium Hydroxide, 10%	1	1	1	1	1	2		2	1
Sodium Hydroxide, 30%	2	2	2	2	2	3		3	2
Sodium Hydroxide, 50%	2	2	2	2	3	3		3	3
Sodium Hypochlorite	3	3	3	3	3	2		1	3
Sodium Hypochlorite, 20%	1	3	3	3	3	2		1	3
Sodium Hypophosphate	1	3	3	3	1	3			2
Sodium Hypophosphite	1	3	3	3	1	3			2
Sodium Hyposulfite	1	3	3	3	1	3			2
Sodium lodide	1	3	3	3	1	2			2
Sodium Lactate	1	3	3	3	1	3			2
Sodium Metaphosphate	1	1	1	1	1	2			
Sodium Metasilicate	1	3	3	3	1	2			2
Sodium Methylate	1	3	3	3	1	3			2
Sodium Monophosphate	1	3	3	3	1	1			2
Sodium Nitrate	1	2	2	2	2	2		1	3
Sodium Nitrite	1	2	2	2	2	1			2
Sodium Oleate	1	3	3	3	1	3			2
Sodium Orthosilicate	1	3	3	3	1	3			2



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Gasket Chemical Services Guide

 are valid only Gasket compare particular a familiar with Victaulic offer application. gasket is sel 	WARNING ion contained herein is general in nature an y for Victaulic compounds. aatibility is dependent upon a number of fac application must be determined by a compe system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative lected for a particular service.	ecommendations s. Suitability for ti individual oduct in any ensure the best	Revisio	n: GS	G-100 (6490 Re	ev.(AA)				
Failure to foll serious perso	low these instructions could cause syste onal injury and property damage.	failure, resulting in									
	Rating Code Key				I						
1	Most Applications				GRADE ST / GRADE H (Hydrogenated Nitrile)			er)	utyl)	Ei	
2	Limited Applications		шę	μ _Ω	ARD	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	e L
3	Restricted Applications		Grade E (EPDM)	GRADE 1 (Nitrile)	T / C nate	ADE e Ni	ADE	ADE elas	ADE	ADE	GRADE L (Silicone)
			ΡĤ	ц Ц Ц Ц С Ц	E S Oge	GR	Cer CB	GR	GR	GR/ bichl	R IS
	Insufficient Data				AD	E		(FIL	(Hal	Ц Ц Ц	
	Chemical				99 C						
Sodium Oxa	late		1	3	3	3	1	1			2
Sodium Perk	borate		1	2	2	2	2	1			2
Sodium Perc	carbonate		1	3	3	3	1	3			2
Sodium Perc	chlorate		1	3	3	3	1	3			2
Sodium Perc	oxide		1	2	2	2	2	2		3	3
Sodium Pers	sulfate		1	3	3	3	1	3			2
Sodium Phe	nolate		1	3	3	3	1	3			2
Sodium Phe	noxide		1	3	3	3	1	3			2
Sodium Pho	sphate, Dibasic		1	1	1	1	2	1		3	3
Sodium Pho	sphate, Monobasic		1	1	1	1	2	1		3	3
Sodium Pho	sphate, Tribasic		1	1	1	1	2	1		3	1
Sodium Plun	nbite		1	3	3	3	1	2		3	2
Sodium Pyrc	ophosphate		1	3	3	3	1	3			2
Sodium Res	inate		1	3	3	3	1	3			2
Sodium Salio	cylate		1	3	3	3	1	3			2
Sodium Salt	S		1	1	1	1	2	1			1
Sodium Ses	quisilicate		1					3			
Sodium Silic	cate		1	1	1	1	1	1			
Sodium Silic			1								
Sodium Star			1	3	3	3	1	3			2
Sodium Sulfa			1	1	1	1	1	1		1	1
Sodium Sulfi			1	1	1	1	1	1			1
Sodium Sulfi			1	1	1	1	1	1			1
Sodium Sulf	•		1	3	3	3	1	3			2
Sodium Tart			1	3	3	3	1	3			2
Sodium Tetr			1	3	3	3	1	1			2
Sodium Tetr	aphosphate		1	3	3	3	1	3			2

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

Revision: GSG-100 6490 Rev.(AA)

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Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.

Rating Code Key Т GRADE ST / GRADE | (Hydrogenated Nitrile) GRADE M (Halogenated Butyl) GRADE M2 (Epichlorohydrin) 1 **Most Applications** GRADE O (Fluoroelastomer) GRADE A (White Nitrile) GRADE V (Neoprene) GRADE L (Silicone) Grade E (EPDM) GRADE T (Nitrile) 2 **Limited Applications** 3 **Restricted Applications Insufficient Data** ---Chemical Sodium Tetrasulfide 2 -------2 Sodium Thioarsenate 1 -------Sodium Thiocyanate 3 3 --------2 1 1 1 2 2 2 Sodium Thiosulfate 1 --------1 1 Sodium Trichloroacetate 1 1 2 Sodium Triphosphate 1 1 --------Solvasol #1 2 2 -------1 1 Solvasol #2 1 1 2 2 --------1 1 Solvasol #3 1 1 2 2 ---Solvasol #73 2 2 2 2 1 -------Solvasol #74 Contact a Victaulic Sales Representative Sorbitol 2 Sour Crude Oil 2 -------Sour Natural Gas 3 3 2 -------3 Sova Oil -------1 1 1 1 Soybean Oil 1 1 1 ---1 Spindle Oil 2 1 1 1 -------1 Spry 2 1 2 1 ----1 н 1 ----SR-10 Fuel 1 1 ----1 ----SR-6 Fuel 2 2 2 1 ----2 Standard Oil Mobilube GX90-EP Lube 1 1 1 1 --------2 Stannic Ammonium Chloride 1 -------1 2 Stannic Chloride 1 1 1 1 1 ------2 Stannic Tetrachloride 1 1 ---Stannous Bisulfate 1 3 3 1 -------2 1 2 Stannous Bromide 1 ------2 Stannous Chloride 1 -------1 1



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Gasket Chemical Services Guide

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	Rating Code Key			II.						
1	Most Applications			\DE litrile			ler)	utyl)	in)	
2	Limited Applications	≡€	н ш(е	ARP N be	≣ A itrile	> (in the second	stom O	Z₫	M2 Ndr	e ا(e
3	Restricted Applications	Grade E (EPDM)	GRADE 1 (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	<u> </u>	5	DE S roge	Rhi H	Re R	GH Uord	GH loge	G.R. pich	L B S
				Hyd			Ē	(Hal	Ē	
	Chemical			0						
Stannous Flu	uoride	1	3	3	3	1	1			2
Stannous Su	ulfate	1	3	3	3	1	3			2
Starch		1	1	1	1	1	1			1
Stauffer 770	0	3	2	2	2	3	1			3
Steam Abov	e 300°F/149C	3	3	3	3	3	3		3	3
Steam Belov	v 300°F/149C	2	3	3	3	3	3		3	3
Stearic Acid		2	2	2	2	2	1		3	2
Stoddard So	lvent	3	1	1	1	3	1		1	3
Strontium Ac	cetate	1	3	3	3	1	3			2
Strontium Ca	arbonate	1	3	3	3	1	3			2
Strontium Ch	hloride	1	3	3	3	1	3			2
Strontium Hy	ydroxide	1	3	3	3	1	3			2
Strontium Ni	itrate	1	3	3	3	1	3			2
Styrene Mon		3	3	3	3	3	3			3
Styrene Poly		3	3	3	3	3	1			3
Succinic Aci		1	3	3	3	1	2			2
Sucrose Sol		1	1	1	1	2	1			1
	rs, Cane, Beet, & Maple	1	1	1	1	1	1			
Sugar Syrup Sulfamic Aci		1	1	3	3		3			
Sulfanilic Aci		1	3	3	3	1	3			2
Sulfanilic Ch		3	3	3	3	3	1			
Sulfanilimide		3	3	3	3	3	1			
	or, Black, Green	1	2	2	2	2	1		1	2
Sulfite Liquo		3	3	3	3	2	2		3	3
Sulfolane		1	2	2	2	2	3			
Sulfonated C		3	3	3	3	3	1			



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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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Gasket Chemical Services Guide

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

	t Chemical Services								icta	
are valid only • Gasket comp a particular a familiar with • Victaulic offee application. (gasket is sel Failure to follo	AWARNING ion contained herein is general in nature and y for Victaulic compounds. atibility is dependent upon a number of fact application must be determined by a compet system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative t ected for a particular service. ow these instructions could cause system mal injury and property damage.	acommendations 5. Suitability for t individual oduct in any nsure the best	on: GS	G-100 6	6490 Re	ev.(AA)				
			1							
	Rating Code Key			Пе) Н				()		
1	Most Applications		⊢	GRADE ST / GRADE H (Hydrogenated Nitrile)	ile)	⊳ î e	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	1.
2	Limited Applications	Grade E (EPDM)	LDE trile)	'/Gl ated	Ы Ц	DE	DE	DE	Lohy Tohy	
3	Restricted Applications	(EPa (EPa	GRADE . (Nitrile)	gen	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O oroelaston	3RA gen	chlo	GRADE L (Silicone)
	Insufficient Data			ADE	5		(Fluc	- Jalo	(E pi	
	Chemical			E E				÷		
Super Shell	Gas	3	1	1	1	2	2			3
Surfuryl Chlo	pride	1	3	3	3	1				2
Swan Finch	EP Lube	3	1	1	1	3	1			3
Swan Finch	Hypoid-90	3	1	1	1	2	1			3
Tall Oil		3	1	1	1		1			3
Tallow		3	1	1	1	2	1			2
Tannic Acid		1	1	1	1	1	1			2
• •	lors (50 g. alum. solution, 50 g. dichror		3	3	3	1	1			3
Tar, bitumino		3	2	2	2	3	1		3	2
Tartaric Acid		2	1	1	1	2	3		3	1
Tellone II	• • •						1			
Terephthalic	ACIO	1	3	3	3	1	1			2
Terpineol Terpinyl Ace	toto	3	2 2	2 2	2 2	3 3	1			
Tertiary Buty		2	2	2	2	2	1			2
	I Catechol or p-tert-butylcatechol	2	3	3	3	2	1			
Tertiary Buty		3	3	3	3	3	1			3
Tetrabromoe		3	3	3	3	3	1			3
Tetrabromon	nethane	3	3	3	3	3	1			3
Tetrabutyl Ti	tanate	1	2	2	2	2	1			3
Tetrachloroe	thane	3	3	3	3	3	1			
Tetrachloroe	thylene	3	3	3	3	3	1			3
Tetraethyl Le	ead	3	2	2	2	2	1			
Tetraethyl Le	ead "Blend"	3	2	2	2	3	1			
Tetraethyl O	rthosilicate (TEOS)	1	1	1	1	1	1			3

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

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Rating Code Key1Most Applications2Limited Applications3Restricted ApplicationsInsufficient DataChemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Tetramethyl Ammonium Hydroxide	1	3	3	3	1	3			2
Tetramethyldihydropyridine	3	2	2	2	3	1			
Tetraphosphoglucosate	1	3	3	3	1	3			2
Texaco 3450 Gear Oil	3	1	1	1	3	1			3
Texaco Capella A and AA	3	1	1	1	2	1			3
Texaco Meropa 220 (No Lead)	3	1	1	1	2	1			3
Texaco Regal B	3	1	1	1	3	1			3
Texaco Uni-Temp Grease	3	1	1	1	2	1			2
Texamatic "A" 1581 Fluid	3	1	1	1	2	1			3
Texamatic "A" 3401 Fluid	3	1	1	1	2	1			3
Texamatic "A" 3525 Fluid	3	1	1	1	2	1			3
Texamatic "A" 3528 Fluid	3	1	1	1	2	1			3
Texamatic "A" Transmission Oil	3	1	1	1	2	1			3
Texas 1500 Oil	3	1	1	1	2	1			2
Therminol 44	3	3	3	3	3	1			3
Therminol 55	3	2	2	2	3	1			3
Therminol VP-1, 60, 66	3	3	3	3	3	1			3
Thioamyl Alcohol	3	1	1	1	3	1			3
Thiodiacetic Acid	1	3	3	3	1	3			2
Thioethanol	1	3	3	3	1	3			3
Thioglycolic Acid	1	3	3	3	1	3			3
Thiokol TP-90B	1	3	3	3	3	3			
Thiokol TP-95	1	3	3	3	3	3			
Thiophosphoryl Chloride	1	3	3	3	1	3			3
Thiourea	1	3	3	3	1	3			3
Thorium Nitrate	1	3	3	3	1	3			3
Tidewater Multigear, 140 EP Lube	3	1	1	1	2	1			3



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Gasket Chemical Services Guide

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	Rating Code Key			II.						
1	Most Applications			\DE litrile			ler)	utyl)	in)	
2	Limited Applications	٣		ARP N be	≣ A itrile	> (all all all all all all all all all al	stom O	≥ā	hydr	Ъ
3	Restricted Applications	Grade E (EPDM)	GRADE 7 (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data	0 U	19	DE	^{GE}	ЪŠ,	GF	loge	GR	196
	inournoient Dutu			Hyd			E)	(Ha	U U	
	Chemical			0 <u> </u>						
Tidewater O	il-Beedol	3	1	1	1	3	1			3
Tin Ammoni	um Chloride	1	3	3	3	1	3			3
Tin Chloride		3	1	1	1	3	1			3
Tin Tetrachle	oride	3	1	1	1	3	1			3
Titanic Acid		1	3	3	3	1	3			3
Titanium Dic	oxide	1	3	3	3	1	3			3
Titanium Sul	lfate	1	3	3	3	1	3			3
Titanium Tet	trachloride	3	2	2	2	3	1			3
Toluene		3	3	3	3	3	3		3	3
Toluene Diis	socyanate (TDI)	3	3	3	3	3	3			3
Toluene Sulf	fonyl Chloride	3	2	2	2	3	1			
Toluenesulfo	onic Acid	1	3	3	3	1	3			3
Toluidine		3	2	2	2	3	3			
Toluquinone)	3	3	3	3	3	1			
Toyaldehyde		1	3	3	3	1	3			2
Transformer		3	1	1	1	2	1			2
	n Fluid, Type A	3	1	1	1	3	1		1	3
Triacetin	- hada	1	3	3	3	3	3			
Triaryl Phos		1	3	3	3	3	1			3
	thylbenzene	3	2	2	2	3	1			
	nyl Phosphate	1	3	3	3	3	3 3			
Tributyl Citra		1	3	3	3	1				
Tributyl Mero	·	3	3 3	3 3	3 3	3 3	3 3			3 3
Tributyl Prio			3	3	3		3			
Trichloroace		2	2	2	2 3	3	3			
incinoroace		2	2	2	2					

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

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1 2 3 	Rating Code Key Most Applications Limited Applications Restricted Applications Insufficient Data Chemical	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GRADE L (Silicone)
Trichlorobenz	zene	3	2	2	2	3	3			
Trichloroetha	ine	3	3	3	3	3	1			3
Trichloroetha	nolamine	1	3	3	3	1	3			2
Trichloroethy	lene	3	3	3	3	3	1		3	3
Trichlorometh	hane	3	3	3	3	3	1			3
Trichloronitro	methane (Chloropicrin)	3	3	3	3	3	3			3
Trichloroprop	bane	3	3	3	3	3	1			3
Trichlorosilan	ne	3	3	3	3	3	1			3
Tricresyl Pho	sphate	1	3	3	3	3	1		3	3
Triethanol An	nine	2	3	3	3	2	3			
Triethyl Phos	phate	3	2	2	2	3	1			
Triethylalumi	num	3	3	3	3	3	3			
Triethylboran	ie	3	3	3	3	3	1			
Triethylene G	àlycol	1	3	3	3	1	3			2
Triethylenete	tramine	1	3	3	3	1	3			2
Trifluoroaceti	ic Acid	1	3	3	3	1	3			2
Trifluoroethar	ne	3	3	3	3	3	3			3
Trifluorometh	nane	3	3	3	3	3	1			3
Trifluorovinyl	chloride	3	2	2	2	3	1			
Triisopropylb	enzylchloride	3	2	2	2	3	1			
Trimethylami	ne (TMA)	1	3	3	3	1	3			3
Trimethylben	zene	3	2	2	2	3	1			
Trimethylbora	ate (TMB)	3	2	2	2	3	1			
Trimethylpen	tane	3	1	1	1	2	1		1	3
Trinitrololuen	e (TNT)	3	3	3	3	2	3			
Trioctyl Phos	phate	1	3	3	3	3	3			3
Triphenylpho	sphite	1	3	3	3	1	3			3

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1 2 3	Most Applications Limited Applications Restricted Applications	Grade E (EPDM)	GRADE T (Nitrile)	GRADE ST / GRADE H (Hydrogenated Nitrile)	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	GRADE L (Silicone)
	Insufficient Data Chemical			GRAD (Hydr	C		(Flu	(Hal	<u> </u>	
Tripoly Phos	sphate	1	3	3	3	3	3			3
	n Phosphate	1	3	3	3	1	1			3
Trisodium P	•	1	3	3	3	1	1			2
• •	nina Wood Oil)	3	1	1	1	2	1			3
Turbine Oil		3	1	1	1	3	1		1	3
	#15 (MIL-L-7808A)	3	2	2	2	3	1			3
Turbo Oil #3	35	3	1	1	1	2	1			3
Turpentine		3	1	1	1	3	1		1	3
	(MIL-S-3136)(ASTM Ref. Fuel A)	3	1	1	1	2	1		1	3
••	MIL-S-3136	3	2	2	2	3	1		1	3
	I MIL-S-3136(ASTM Ref. Fuel B)	3	2	2	2	3	1		1	3
Ucon Hydrol		1	1	1	1	2	1			1
	ant 50-HB-100	1	1	1	1	1	1			1
	ant 50-HB-260	1	1	1	1	1	1			1
	ant 50-HB-5100	1	1	1	1	1	1			1
	ant 50-HB55	1	1	1	1	1	1			1
	ant 50-HB-660		1	1	1	1	1			
Ucon Lubric	ant LB-1145	1	1	1	1	1	1			1
Ucon Lubric			1	1	1	1	1			1
	ant LB-300X	1	1	1	1	1	1			1
Ucon Lubric			1	1	1	1	1			1
Ucon Lubric		1	1	1	1	1	1			1
Ucon Oil 50-		1	2	2	2	2	1			
	at Transfer Fluid 500 (Polyalkalene Glycol)	1	1	1	1	1	1			1
Ucon Oil LB		1	1	1	1	1	1			1
2 30 OI LD									1	

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Gasket Chemical Services Guide

AWARNING

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are valid only • Gasket comp a particular a familiar with • Victaulic offer application. (gasket is sel Failure to follow	tion contained herein is general in nature an ly for Victautic compounds. patibility is dependent upon a number of fact application must be determined by a compel system-specific conditions. rs no warranties, expressed or implied, of a Contact your Victaulic sales representative f lected for a particular service. low these instructions could cause syste onal injury and property damage.	s. Suitability for t individual oduct in any ensure the best									
	Rating Code Key				ш _Э н				_		
1	Most Applications				ADE	(e		ner)	Butyl	rin)	
2	Limited Applications		€ R	GRADE T (Nitrile)	GR	E A litrile	GRADE V (Neoprene)	E O ston	ШМ	GRADE M2 pichlorohydr	ле) Пе
3	Restricted Applications		Grade E (EPDM)	Nitri	ST / enat	RAD ite N	3AD apr	3AD Dela	RAD	ADE	GRADE L (Silicone)
	Insufficient Data		ЪЩ	В С	DE (GRADE A (White Nitrile)	ЪŚ	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	190
	Chemical				GRADE ST / GRADE H (Hydrogenated Nitrile)			E)	(Ha	E)	
Undecylenic			3	2	2	2	3	2			
Undecylic Ac	cid		3	2	2	2	3	2			
Univis 40 (H	lydr. Fluid)		3	1	1	1	2	1			3
Univolt #35 ((Mineral Oil)		3	1	1	1	2	1			3
Unsymmetric	cal Dimethyl Hydrazine (UDMH)		1	2	2	2	2	3			3
UPDI (Ultrap	oure Deionized Water)		1	3	3	3	1	3			2
Uranium He	xachloride							2			
Uranium He>	xafluoride										
Uranium Sul	lfate										
Urea			1	3	3	3	3	3			3
Uric Acid			1	3	3	3	1	3			2
Valeraldehyd	de		1	3	3	3	1	3			2
Valeric Acid			1	3	3	3	1	3			2
Vanadium O	Dxide		3	1	1	1	2	2			2
Vanadium P	Pentoxide		3	1	1	1	2	2			2
Varnish			3	2	2	2	3	1			3
Vegetable O			3	1	1	1	3	1		1	2
Versilube F4			1	1	1	1	1	1		1	
Versilube F-	50		1	1	1	1	1	1		1	3
Vinegar	•			2	2	2	2	1			1
Vinyl Acetate								s Repr			
Vinyl Benzer								s Repr			
Vinyl Benzoa Vinyl Chlorid								s Repr			
Vinyl Fluorid								s Repr			
-	Chloride							s Repr s Repr			
VINVIINANA											

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SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

EWARNING The information contained herein is general in nature and recommendations are valid only for Victaulic compounds. Gasket compatibility is dependent upon a number of factors. Suitability for a particular application must be determined by a competent individual familiar with system-specific conditions. Victaulic offers no warranties, expressed or implied, of a product in any application. Contact your Victaulic sales representative to ensure the best gasket is selected for a particular service. Failure to follow these instructions could cause system failure, resulting in serious personal injury and property damage.			Revision: GSG-100 6490 Rev.(AA)										
	Rating Code Key			I_									
1	Most Applications			GRADE ST / GRADE H (Hydrogenated Nitrile)			er)	utyl)	(L				
2	Limited Applications	ШĘ		ARA N N	trile)) (in the second	tom tom	Bu	M2 Ndri	le)			
3	Restricted Applications	Grade E (EPDM)	GRADE ⁻ (Nitrile)	T / C nate	ADE e Ni	ADE	ADE elas	ADE	ADE	GRADE L (Silicone)			
		G	R B R C R	ego.	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 (Epichlorohydrin)	GH (Sil			
	Insufficient Data			RAL			(FII	(Hal	Ē				
	Chemical			0=									
Vinyltoluene			Contact a Victaulic Sales Representative										
Vitriol (White)	1	3	3	3	1	3			2			
VV-H-910		1	3	3	3	2	1		2	2			
Wagner 21B	Brake Fluid	1	3	3	3	2	3		3	3			
Water, Brom	ine	2	3	3	3	3	3			3			
Water, Chlorine		2	3	3	3	3	3						
Water, to 73°F/23°C		1	1	1	1	2	3		1	1			
Water, to 15		1	1	1	1	2	3		3	3			
Water, to 200		1	3	1	3	3	3		3	3			
Water, to 230°F/110°C			3	3	3	3	3		3	3			
Wemco C Whiskey and Wines		3	1	1	1	2	1			3			
White Liquor		1	1	1	1	1	1						
White Oil		3	1	1	1	2	1			3			
White Pine Oil		3	2	2	2	3	1			3			
Wolmar Salt		1	1	1	1	2	1			1			
Wood Alcohol		1	1	1	1	1	3			1			
Wood Oil		3	1	1	1	2	1			3			
Xenon		1	1	1	1	1	1			1			
Xylene		3	3	3	3	3	3		3	3			
Xylidenes-Mixed-Aromatic Amines		2	3	3	3	3	3			3			
Xylol		3	3	3	3	3	1			3			
Yeast		1	1	1	1	1	1			1			
	Zeolites		1	1	1	1	1						
Zeolites Zinc Acetate		1	2	2	2	2	3			3			



SECTION D: GENERAL DEFINITION/ SEAL MATERIAL SELECTION SUBSECTION 2

Failure to foll	lected for a particular service. ow these instructions could cause syste	n failure, resulting in									
serious perso	onal injury and property damage.										
	Rating Code Key										
					ile H				S		
1	Most Applications			⊢	GRADE ST / GRADE H (Hydrogenated Nitrile)	ile)	>@	GRADE O (Fluoroelastomer)	GRADE M (Halogenated Butyl)	GRADE M2 Epichlorohydrin)	
2	Limited Applications		Grade E (EPDM)	GRADE ⁻ (Nitrile)	/ GF ated	GRADE A (White Nitrile)	GRADE V (Neoprene)	GRADE O oroelaston	DE	GRADE M2 oichlorohydr	GRADE L (Silicone)
3	Restricted Applications		Grac (EPI	i RAI (Niti	ST	hite	IRAI leop	RAI	RAI	AD	Silic
	Insufficient Data		0.0	0	ADE drog	β	ΰĘ	Onl-	aloc	Epice	00
					E E				E	<u> </u>	
	Chemical				-						
Zinc Chroma	Zinc Chromate		1	3	3	3	1	3			2
Zinc Cyanid	Zinc Cyanide		1	3	3	3	1	3			2
Zinc Diethyle	Zinc Diethyldithiocarbamate		1	3	3	3	1	3			2
Zinc Dihydrogen Phosphate		1	3	3	3	1	3			2	
Zinc Fluorosilicate							2				
Zinc Hydrosulfite		1	3	3	3	1	3			2	
Zinc Naphthenate							2				
Zinc Nitrate		1	1	1	1		1				
Zinc Oxide		1	1	1	1		1				
Zinc Phenolsulfonate			1	3	3	3	1	3			2
Zinc Phosphate		1	1	1	1	1	1			1	
Zinc Salts		1	1	1	1	1	1			1	
Zinc Silicofluoride							2				
Zinc Stearate		1	3	3	3	1	3			2	
Zinc Sulfate		1	1	1	1	1	1			1	
Zinc Sulfide		1	3	3	3	1	3			2	
Zirconium Nitrate			1	1	1	1	1	1			1

Gasket Chemical Services Guide

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COMPLETE GASKET CHEMICAL SERVICE GUIDE	For a complete listing of chemical compatibility codes by elastometric seal material please refer to document GSG-100 found on our website at www.victaulic.com/longreport
• WARRANTY	* Refer to the Warranty section of the current Price List or contact Victaulic for details.
• NOTE	* This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.
INSTALLATION	Reference should always be made to the I-100 Victaulic Field Installation Handbook for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

