

GRINNELL Mechanical Products Gasket Service Recommendations and Material Compatibility

General Description

Gaskets are provided in Grade "E", "EN" and "EHT" EPDM, Grade "T" Nitrile, Grade "O" Fluoroelastomer, and Grade "L" Silicone.

This data sheet includes tables describing Gasket Service Recommendations and Chemical Composition Recommendations that were developed to maximize service life. These tables were complied from information supplied by the elastomer material manufacturers, referenced technical literature, and testing conducted by GRINNELL Mechanical Products.

In evaluating the gasket grade for intended services, consider the following items:

- System operating temperature
- Fluid or solution type and concentration
- Duration of service

All gasket recommendations are based on a temperature of 70°F (21°C) unless otherwise noted.

Gasket recommendations apply to GRINNELL gaskets and valves only. When considering combinations of service solutions or for those service recommendations not listed in this document, consult Technical Services.

NOTICE

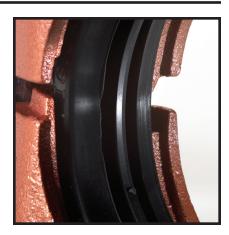
Never remove any piping component nor correct or modify any piping deficiencies without first de-pressurizing and draining the system. Failure to do so may result in serious personal injury, property damage, and/or impaired device performance.

It is the designer's responsibility to select products suitable for the intended service and to ensure that pressure ratings and performance data are not exceeded. Verify material and gasket selection for compatibility with the specific application. Always read and understand the installation instructions.

The properties and applications listed herein are typical. Final selection of gasket material for a specific application should not be undertaken without independent study and evaluation for suitability. Failure to select the proper rubber compound could result in product failure, property damage, or serious personal injury.

Install and maintain the gaskets described herein in compliance with this document, in addition to the standards of any other authorities having jurisdiction. Failure to do so may result in serious personal injury or impair the performance of these devices.

The owner is responsible for maintaining their mechanical system and devices in proper operating condition. Contact the installing contractor or product manufacturer with any questions.







Grade	Temperature Range	Compound	Color Code	General Service Application
"E"	-30°F to 230°F (-34°C to 110°C)	EPDM	Green	Hot water, dilute acids, alkalis, oil free air, and many chemical services not involving petroleum products Excellent oxidation resistance Not for use with hydrocarbons Not recommended for steam service
"E" Tri-Seal	-30°F to 230°F (-34°C to 110°C)	EPDM	Green	Hot water, dilute acids, alkalis, and many chemical services not involving petroleum products Excellent oxidation resistance Not for use with hydrocarbons Recommended for low-temperature and vacuum services
"EHT" Center-Stop	-30°F to 250°F (-34°C to 121°C)	- EPDM	Red and Copper (Copper Tubing)	Closed-loop heating systems up to 250°F (121°C) NSF 61 approved for Potable Water up to 180°F (82°C) Recommended for use in low temperature and vacuum systems
Push-On	Potable Water up to 180°F (82°C)		or Red and Green (IPS Pipe)	Not for use with hydrocarbons Designed for use with GRINNELL Figures 640 and 740 Pivot-Bolt Couplings
"EN" Tri-Seal for Copper Tubing	Potable Water up to 180°F (82°C)	EPDM	Copper	CTS sizes only NSF 61 Approved for potable water Not for use with hydrocarbons
"EN" and "EN" Tri-Seal for IPS Pipe	Potable Water up to 180°F (82°C)	EPDM	Green/ Yellow	IPS Pipe sizes NSF 61 Approved for potable water Not for use with hydrocarbons
"T" and "T" Tri-Seal	-20°F to 180°F (-29°C to 82°C)	Nitrile	Orange	Petroleum products, vegetable oils, mineral oils, air with oils High-end oil vapor temperature decreases to 150°F (66°C) Not recommended for hot water or hot dry air systems
"O" and "O" Tri-Seal	20°F to 300°F (-7°C to 149°C)	Fluoroelastomer	Blue	Oxidizing acids, petroleum products, hydraulic fluids, lubricants, halogenated hydrocarbons
"L"	-30°F to 350°F (-34°C to 177°C)	Silicone*	Red Gasket	Air without hydrocarbons, dry heat

^{*} To prevent gasket deterioration, never use silicone-based lubricants with Grade "L" silicone gaskets

TABLE A GASKET SPECIFICATIONS AND GENERAL SERVICE RECOMMENDATIONS

Technical Data

Approvals

Gaskets are laboratory approved as a component of a coupling or mechanical tee. Refer to the individual data sheets for approval information.

Material Specifications and Temperature Ranges Refer to Table A

Gasket Recommendations

Proper pipe-end preparation and grooving are mandatory to prevent leakage. Refer to specifications for cut and roll grooving in data sheets G710 and G720.

The gasket seal surface must be free from score marks, ridges, indentations, projections, loose paint, flaking galvanizing, scale, dirt chips, grease, and rust that would prevent a positive seal.

Tri-Seal Gaskets

With reference to Figure 1, Tri-Seal Gaskets differ from Standard Gaskets by having a closed-off gap or gasket cavity between pipe sections. This gap is closed by positioning the center "rib" of the gasket over the gap between the pipes. The Tri-Seal Gasket has two tapered sealing edges, in addition to the center rib, for additional strength and sealing. They are intended primarily for low temperature and vacuum applications greater than 10 inches of mercury.

Center-Stop, Push-On Style Gaskets The Grade "EHT" EPDM Center-Stop, Push-On Style Gasket is specially designed for easy installation of the GRINNELL Figures 640 and 740 Pivot-Bolt Coupling.

NSF 61 Certification

In order to retain the NSF 61 Certification, an NSF 61 Certified lubricant must be used for the intended service; for example, LA-CO Industries Lubri-Joint or DOW CORNING No. 7, both offered through GRINNELL Mechanical Products.

- Grade "EN" EPDM Tri-Seal Gaskets, NSF-61 Approved Compound, are designed for use with potable water systems.
- Grade "EHT" EPDM Gaskets, NSF-61 Approved Compound, are designed for use with potable water systems.



Standard Gasket: The standard style gasket, with a "C" shape configuration, is the most commonly used.



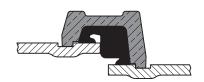
Tri-Seal Gasket: This gasket is designed to close off the gap or gasket cavity. This is accomplished by positioning the center "rib" of the gasket over the gap between the pipes. The tri-seal gasket has two tapered sealing edges in addition to the center rib for additional strength and sealing.



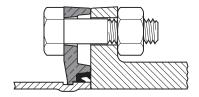
Plain End Coupling Gasket: This gasket is designed for use with all GRINNELL Plain End Couplings.



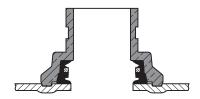
Center-Stop, Push-On Style Gaskets: The Grade "EHT" EPDM Center-Stop, Push-On Style Gasket is specially designed for easy installation of the GRINNELL Figures 640 and 740 Pivot-Bolt Coupling.



Reducing Coupling Gasket: This gasket is provided with ribs used to position the larger pipe so that the sealing lip is located on the sealing surface of the pipe. This gasket is used only with the GRINNELL Figure 716 Reducing Coupling.



Flange Adapter Gasket: This gasket is specifically designed for use with GRINNELL Flange Adapters. The gasket has an optimal amount of rubber to provide a dependable seal between both the pipe and mating surface.



Outlet Coupling Gasket: This gasket is specifically designed for use with the GRINNELL Figure 702 Outlet Coupling.



Mechanical Tee Gasket: This gasket provides a compression type seal, which is designed to conform to the exterior curve (OD) of the pipe. Use this type of gasket ONLY with Figure 730 Mechanical Tees and Crosses.

FIGURE 1 GRINNELL GASKET STYLES

Gasket Lubricants

To prevent gasket deterioration, use a petroleum-free lubricant for all EPDM and Grade "L" Silicone gaskets. A petroleum-free silicone lubricant should be used for HDPE applications and for low-temperature environments to prevent lubricant freezing.

∆WARNING

Never use silicone lubricants with Grade "L" silicone gaskets. Failure to select the proper compound could result in product failure, property damage, or serious injury.

Ordering Procedure

GRINNELL Mechanical Products are available globally through a network of distribution centers. For the nearest distributor, as well as technical data describing the complete product line, visit www.grinnell.com.

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Chemical Composition	Gasket Grade
Acetaldehyde	E
Acetamide	Т
Acetic Acid up to 10% 100°C (38°C)	E/L
Acetic Acid up to 10-50% 100°C (38°C)	L
Acetic Acid, Glacial 100°C (38°C)	L
Acetic Anhydride	E
Acetone	E
Acetonitrile	Т
Acetophenone	E
Acetylene	E/T
Adipic Acid	Т
Air, oil free	E
Air with vapored oil	Т
Alkalis	E
Allyl Alcohol to 96%	E
Alum Sulfuric Acid	0
Aluminum Chloride	E/T
Aluminum Fluoride	E/T/O
Aluminum Hydroxide	E/O
Aluminum Nitrate	E/T
Aluminum Oxychloride	Т
Aluminum Phosphate	E
Aluminum Salts	E/T
Aluminum Sulfate	E/T
Alums	E/T
Ammonia Gas, Cold	E
Ammonia, Aqua, 10-25%	E
Ammonia, Liquid	E
Ammonium Bifluoride	Т
Ammonium Carbonate	E
Ammonium Chloride	E/T
Ammonium Fluoride	E
Ammonium Hydroxide	E
Ammonium Metaphosphate	Е
Ammonium Nitrate	E/T
Ammonium Nitrite	E
Ammonium Persulfate, to 10%	Е
Ammonium Phosphate	Т
Ammonium Sulfamate	Т
Ammonium Sulfate	E/T
Ammonium Sulfide	E
Ammonium Thiocyanate	E
Amyl Acetate	E
Amyl Alcohol	E

Chemical Composition	Gasket Grade
Amyl Chloronaphthalene	Т
Anderol	0
Aniline	Е
Aniline Dyes	E
Aniline Hydrochloride	Е
Aniline Oil	Е
Antimony Chloride	E
Antimony Trichloride	Е
Argon Gas	E/O
Aroclor(S)	0
Arsenic Acid, to 75%	E/T/O
ASTM #1, 2 & 3 Oil	Т
Barium Carbonate	E
Barium Chloride	E/T
Barium Hydroxide	E/T
Barium Sulfide	Т
Benzaldehyde	Е
Benzene	0
Benzine (see Petroleum Ether)	0
Benzoic Acid	E
Benzol	0
Benzyl Alcohol	E
Benzyl Benzoate	E
Benzyl Chloride	E
Black Sulfate Liquor	Т
Blast Furnace Gas	T
Bleach,12% Active	E
Borax Solutions	Е
Bordeaux Mixture	E
Boric Acid	E/T
Bromine	0
Butane Gas	Т
Butanol (see Butyl Alcohol)	E/T
Butyl Acetate Ricinoleate	E/T
Butyl Alcohol	E/T
Butyl "Cellosolve Adipate"	E/T
Butyl Phenol	E
Butyl Stearate	T/O
Butylene	T/O
Butylene Glycol	E
Calcium Acetate	Т
Calcium Bisulfate	T/O
Calcium Bisulfide	T/O
Calcium Bisulphite	T/O

Chemical	Gasket
Composition	Grade
Calcium Carbonate	E/T
Calcium Chlorate	E/T
Calcium Chloride	E/T
Calcium Hydroxide (Lime)	E/T
Calcium Hypochlorite	Е
Calcium Hypochloride	Е
Calcium Nitrate	E/T
Calcium Sulfate	E/T
Calcium Sulfide	E/T
Caliche Liquors	Т
Carbitol	E/T
Carbonic Acid, Phenol	0
Carbon Bisulphide	0
Carbon Dioxide, Dry	E/T
Carbon Dioxide, Wet	E/T
Carbon Disulphide	0
Carbon Monoxide	Е
Carbon Tetrachloride	0
Carbonic Acid, Dry	0
Caster Oil	Т
Caustic Potash	E/T
Cellosolve	Е
Cellosolve Acetate	E
Cellosolve (Alcohol Ether)	Е
Cellulose Acetate	E
Cellulube 220 (Tri-Aryl-Phosphate)	E
Cellulube Hydraulic Fluids	E
China Wood Oil, Tung Oil	Т
Chloric Acid to 20%	E
Chlorine, Dry	0
Chlorine, Water 4000 PPM (max.)	E
Chlorinated Paraffin (Chlorocosane)	Т
Chloroacetic Acid	E
Chloroacetone	Е
Chlorobenzene	0
Chloroform	0
Chrome Alum	E/T
Chromic Acid, to 10%	0
Chromic Acid, to 25%	0
Chrome Plating Solutions	0
Citric Acid, Saturated	E
Citric Acid	E/T
Coke Oven Gas	T/O
Copper Carbonate	E/T

Chemical	Gasket
Composition	Grade
Copper Chloride	E/T
Copper Cyanide	E/T
Copper Fluoride	E
Copper Nitrate	E/T
Copper Sulfate	E/T
Creosol, Cresylic Acid	0
Creosote, Coal Tar	T/O
Creosote, Wood	T/O
Cupric Fluoride	E/T
Cupric Sulfate	E/T
Cyclohexane (Alicyclic Hydrocarbon)	0
Cyclohexanol	0
Cyclohexanone	E
Deionized Water	E
Dextrim	Т
Dibutyl Phthalate	E
Dichloro Difloro Methane	Т
Dicyclohexylamine	Т
Diesel Oil	Т
Diethyl Ether	Т
Diethyl Sebacate	Е
Diethylamine	Т
Diethylene Glycol	E/T
Digester Gas	Т
Dimethylamine	Т
Dioctyl Phthalate	Е
Dioxane	Е
Dipentene (Terpene-Hydrocarbon)	Т
Dipropylene Glycol	Т
Dowtherm A	0
Dowtherm E	0
Dowtherm SR-1	T/E
Ethane	Е
Ethanolamine	Е
Ethyl Acetoacetate	Е
Ethyl Acrylate	L
Ethyl Alcohol (Ethanol)	E
Ethyl Cellulose	E
Ethyl "Cellusolve"	E
Ethyl Chloride	E/T
Ethyl Ether	Т
Ethyl Oxalate	E
Ethyl Silicate	T
Ethylene Chlorohydrin	E
Ethylene Diamine	E/T
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TABLE B (1 OF 3)
CHEMICAL COMPOSITION RECOMMENDATIONS
FOR GASKET GRADES

Chemical Composition	Gasket Grade
Ethylene Dichloride (Dichloroethane)	0
Ethylene Glycol	E/T
Ferric Chloride, to 35%	E/T/O
Ferric Chloride, Saturated	Е
Ferric Hydroxide	Е
Ferric Sulfate	Т
Fire Fighting Foam Concentrate	E/O
Fluboric Acid	E/T
Fly Ash	E
FM200 HFC-227ea	Е
Foam	E
Fog Oil	Т
Formaldehyde	E/T
Formamide	E/T
Formic Acid, to 25%	E
Freon 11, 130°F (54°C)	Т
Freon 12, 130°F (54°C)	Т
Freon 113 130°F (54°C)	Т
Freon 114,130°F (54°C)	Т
Freon F-12	Т
Freon 134a,176°F (80°C)	E/T
Fructose	E/T
Fuel Oil	Т
Fumaric Acid	Е
Furfuryl Alcohol	E
Gasoline, Refined	Т
Gasoline, Refined, Unleaded	0
Glue	E/T
Glycerin	E/T
Glycerol	E/T
Glycol	E/T
Glycolic Acid	E
Grease	T/O
Green Sulfate Liquor	T E
Halon 1301	T
Heptane	E
Hexaldehyde Hexane	T
Hexanol	т
Hexanol Tertiary	т
Hexyl Alcohol	т
Hexylene Glycol	Т
Hydrobromic Acid, to 40%	E
Hydrochloric Acid, to 36%, 75°F (24°C)	E

Chemical Composition	Gasket Grade
Hydrochloric Acid, to 36%,158°F (70°C)	0
Hydrocyanic Acid	E
Hydrofluoric Acid, to 75%, 75°F (24°C)	0
Hydrofluosilicic Acid	E
Hydrocyanic Acid, to 10%	E
Hydrofluoric Acid, to 30%	0
Hydrofluosilicic Acid, to 50%	Т
Hydrogen Gas, Cold	E/T
Hydrogen Gas, Hot	E
Hydrogen Peroxide, to 50%	L
Hydrogen Peroxide, to 90%	0
Hydrogen Sulfide	E
Hydroquinone	T/O
Hydroxylamine Sulfate	E
Hypochlorous Acid, Dilute	E
Isobutyl Alcohol	E
Iso Octane, 100°F (38°C)	Т
Isobutyl Alcohol	E
Isopropyl Acetate	E
Isopropyl Alcohol	E
Isopropyl Ether	Т
JP-3	Т
JP-4	Т
JP-5, 6, 7, 8	Т
Kerosene	Т
Ketones	E
Latex (1% Styrene & Butadiene)	0
Lauric Acid	Т
Lavender Oil	T
Lead Acetate	E/T
Lead Chloride	E
Lead Sulfate	Т
Lime and H ₂ O	E/T
Lime Sulfur	0
Linoleic Acid	0
Lithium Bromide	Т
Lithium Chloride	Т
Lithium Bromide (Brine)	T/O
Lithium Chloride	T/O
Lubricating Oil, Refined	Т
Lubricating Oil, Sour	Т
Lubricating Oil, to 150°F (66°C)	Т
Lubricating Oil, 150°F (66°C) to 180°F (82°C)	Т

Chemical	Gasket Grade
Composition Magnesium Chloride	E/T
Magnesium Hydroxide	E/T
Magnesium Nitrate	E
Magnesium Sulfate	E/T
Maleic Acid, Saturate	Т
Malic Acid	Т
Mercuric Chloride	E/T
Mercuric Cyanide	E/T
Mercurous Nitrate	E/T
Mercury	E/T
Methane	Т
Methyl Alcohol, Methanol	E/T
Methyl Chloride	0
Methyl Ethyl Ketone	Е
Methyl Isobutyl Carbinol	Е
Methylene Chloride	0
Methylene Dichloride 100°F (38°C)	0
MIL-L7808	0
MIL-05606	0
MIL-08515	0
Mineral Oils	Т
Naphta	0
Naptha, 160°F (71°C)	0
Napthenic Acid	Т
Natural Gas	Т
Nevoil	Е
Nickel Chloride	E/T
Nickel Plating Solution 125°F (52°C) - Max.	E/T
Nickel Sulfate	E/T
Nitric Acid to 10%, 75°F (24°C) - Max.	Е
Nitric Acid, 10-50%, 75°F (24°C) - Max.	0
Nitric Acid, 50-86%, 75°F (24°C)	0
Nitric Acid, Red Fuming	0
Nitrogen	E
Nitromethane	E
Nitrous Oxide	Е
NOVEC 1230 FK-5-1-12	E
Ogisogiric Acid, to 75%, 150°F (66°C)	0
Oil, Crude Sour	Т
Oil, Motor	Т
Oleic Acid	Т
Olive Oil	Т

Chemical	Gasket
Composition	Grade
Oronite 8200 Silicate Ester Fluid	0
Orthodichlorobenzene	0
OS-45 Silicate Ester Fluid	0
OS-45-1	0
Oxalic Acid	Е
Oxygen, Cold	E
Ozone (100 ppm)	Е
Palm Oil	Т
Palmitic Acid	Т
Pentane	Т
Perchloroethylene	0
Petroleum Ether (see Benzene)	0
Petroleum Oils	Т
Phenol (Carbolic Acid)	0
Phenylhydrazine	E
Phenylhydrazine Hydrochloride	E
Phosphate Ester	Е
Phosphoric Acid, to 50%	E
Phosphoric Acid, to 75% and 70°F	E/T
Phosphoric Acid, to 85%, 200°F (93°C)	0
Phosphate Ester	Е
Photographic Solutions	Т
Phthalic Anhydride	E
Polybutene	Т
Polyvinyl Acetate, Solid (In Liquid State is 50% solution of Methanol or 60% solution of H ₂ O)	E
Potash	Е
Potassium Alum	E/T
Potassium Aluminum Sulfate	E/T
Potassium Bicarbonate	E/T
Potassium Bichromate	E/T
Potassium Borate	E
Potassium Bromate	E
Potassium Bromide	E/T
Potassium Carbonate	E/T
Potassium Chlorate	E
Potassium Chloride	E/T
Potassium Chromate	Т
Potassium Cyanide	E/T
Potassium Dichromate	E
Potassium Ferricyanide	E
Potassium Ferrocyanide	Е

TABLE B (2 OF 3)
CHEMICAL COMPOSITION RECOMMENDATIONS
FOR GASKET GRADES

Chemical Composition	Gasket Grade
Potassium Fluoride	E
Potassium Hydroxide	Т
Potassium Nitrate	E/T
Potassium Perborate	E
Potassium Perchlorate	Т
Potassium Permanganate, Saturated to 10%	E
Potassium Permaganate Saturate 10-25%	E
Potassium Persulfate	Т
Potassium Silicate	E/T
Potassium Sulfate	E/T
Prestone	Т
Propane Gas	Т
Propanol	E
Propargyl Alcohol	E
Propyl Alcohol	E/T
Propylene Dichloride	L
Propylene Glycol	Е
Pyranol 1467	Т
Pyranol 1476	Т
Pyroguard "C"	Т
Pyroguard "D"	Т
Pyroguard 55	Е
Pyrrole	E
Ref. Fuel (70 ISO Octane, 30 Toluene)	Т
Rosin Oil	Т
Salicylic Acid	Е
Secondary Butyl Alcohol	Т
Sewage	E/T
Silver Nitrate	E
Silver Sulfate	Е
Skydrol, 200°F (93°C) - Max.	L
Skydrol 500 Phosphate Ester	E
Soon Solutions	E/T

Chemical Composition	Gasket Grade
Soda Ash, Sodium Carbonate	E/T
Sodium Acetate	Е
Sodium Alum	Т
Sodium Benzoate	E/T
Sodium Bicarbonate	E/T
Sodium Bisulfate	E/T
Sodium Bisulfite (Black Liquor)	E/T
Sodium Bromide	E/T
Sodium Carbonate	E/T
Sodium Chlorate	Е
Sodium Chloride	E/T
Sodium Cyanide	E/T
Sodium Dichromate, to 20%	E/T
Sodium Ferricyanide	E/T
Sodium Ferrocyanide	E/T
Sodium Fluoride	E/T
Sodium Hydroxide, to 15%	E
Sodium Hydro Sulfide	Т
Sodium Hydroxide to 50%	E
Sodium Hypochlorite, to 20%	E
Sodium Metaphosphate	Т
Sodium Nitrate	E
Sodium Nitrite	E/T
Sodium Perborate	E
Sodium Peroxide	E
Sodium Phosphate	Т
Sodium Phosphate, Dibasic	Т
Sodium Phosphate, Monobasic	Т
Sodium Phosphate, Tribasic	Т
Sodium Silicate	Т
Sodium Sulfate	E/T
Sodium Sulfide	E/T
Sodium Sulfite Solution, to 20%	Т
Sodium Thiosulfate, "Hypo"	Т
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Chemical Composition	Gasket Grade
Sohovis 78	Т
Solvasol #1	Т
Solvasol #2	Т
Solvasol #3	Т
Solvasol #73	Т
Spindle Oil	Т
Stannic Chloride	Т
Stannous Chloride, to 15%	Т
Starch	E/T
Stearic Acid	Т
Stoddard Solvent	Т
Styrene	0
Sulfonic Acid	Е
Sulphite Acid Liquor	Е
Sulfur	Е
Sulfur Chloride	0
Sulfur Dioxide, Dry	E/T
Sulfur Dioxide, Liquid	Е
Sulfur Trioxide, Dry	0
Sulfuric Acid, to 25%, 150°F (66°C)	E
Sulfuric Acid, 25-50%, 200°F (93°C)	0
Sulfuric Acid, 50-95%, 150°F (66°C)	0
Sulfuric Acid, Fuming	0
Sulfuric Acid, Oleum	0
Sulfurous Acid	0
Tall Oil	Т
Tanning Liquors (50g. alum. solution, 50g. dichromate solution)	Т
Tartaric Acid	Е
Tertiary Butyl Alcohol	E/T
Tetrabutyl Titanate	E
Tetrachloroethylene	0
Thionyl Chloride	Т
Terpineol	Т
Tertiary Butyl Alcohol	E/T
Tetrachloroethylene	0

Chemical	Gasket
Composition Titanium Tetrachloride	Grade O
	Т
Toluene, to 30%	
Transmission Fluid, Type A	0
Triacetin	Т
Trichloroethane	0
Trichloroethylene	0
Trichloroethylene, to 200°F (93°C)	0
Tricresyl Phosphate	Е
Triethanolamine	E/T
Trisodium Phosphate	Е
Tung Oil	Т
Turbo Oil #15 Diester Lubricant	0
Turpentine	Т
Urea	E/T
Vegetable Oils	Т
Vinyl Acetate	Е
Vinyl Chloride	0
Vi-Pex	Т
Water, to 150°F (66°C)	E/EHT/T
Water, to 200°F (93°C)	E/EHT
Water, to 230°F (110°C)	E/EHT
Water, to 250°F (121°C)	EHT
Water, Acid Mine	E/T
Water, Bromine	0
Water, Chlorinated, to 3500 ppm	Е
Water, Chlorine	Е
Water, Deionized	Е
Water, Potable	EN/EHT
Water, Seawater	Е
Water, Waste	E/T
White Liquor	Е
Wood Oil	Т
Xylene	0
Zinc Chloride, to 50%	Е
Zinc Nitrate	Е
Zinc Sulfate	E/T
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Soap Solutions

- Table NotesSpecify gaFor vacuur Specify gasket grade when ordering.
- For vacuum or low temperature systems, use Tri-Seal Gaskets. Use a petroleum-free silicone

E/T

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• Check gasket color code to ensure it is recom-

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- mended for the intended service.

 Unless otherwise specified, note all gasket listings are based upon a temperature of 70°F (21°C).
- For services not listed, contact GRINNELL Prod-
- ucts for recommendations.

 Where more than one gasket is shown, the preferred gasket grade is listed first.

TABLE B (3 OF 3) CHEMICAL COMPOSITION RECOMMENDATIONS **FOR GASKET GRADES**