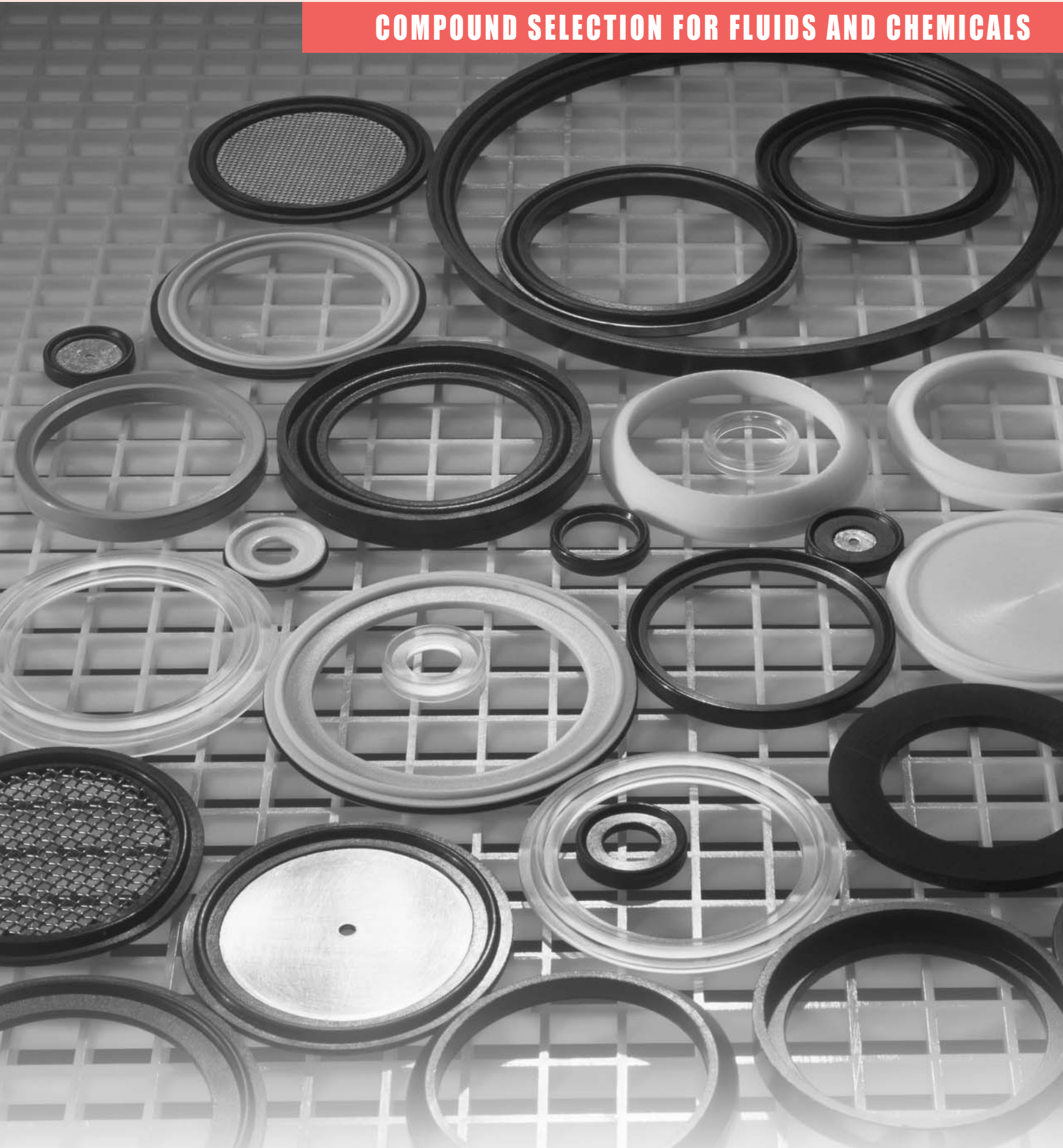


NEWMAN

Sanitary Gasket Company

COMPOUND SELECTION FOR FLUIDS AND CHEMICALS



COMPOUND SELECTION FOR FLUIDS AND CHEMICALS

(See Note Below)

	BUNA-N	E.P.D.M.	VITON®	SILICONE		BUNA-N	E.P.D.M.	VITON®	SILICONE
Acetaldehyde	D	A	D	B	Carbon Dioxide	A	B	A	B
Acetamide	A	A	B	B	Carbonic Acid	B	A	A	A
Acetic Acid, 30%	B	A	B	A	Carbon Monoxide	A	A	A	A
Acetone	D	A	D	C	Carbon Tetrachloride	C	D	A	D
Acetophenone	D	A	D	D	Castor Oil	A	B	A	A
Acetyl Chloride	D	D	A	C	Cellosolve Acetate	D	B	D	D
Acetylene	A	A	A	B	China Wood Oil (Tung Oil)	A	C	A	D
Acrylonitrile	D	D	C	D	Chlorine (wet)	D	C	A	D
Adipic Acid	A	A	E	E	Chlorine Dioxide	D	C	A	E
Ammonia Gas (cold)	A	A	D	A	Chloroacetic Acid	D	A	D	E
Ammonium Chloride (aq)	A	A	A	E	Chloroacetone	D	A	D	D
Ammonium Hydroxide (conc.)	D	A	B	A	Chlorobenzene	D	D	A	D
Ammonium Nitrate (aq)	A	A	E	E	Chlorobromomethane	D	B	A	D
Ammonium Nitrite (aq)	A	A	E	B	Chloroform	D	D	A	D
Ammonium Phosphate (aq)	A	A	E	A	Chlorotoluene	D	D	A	D
Ammonium Sulfate (aq)	A	A	D	E	Chrome Plating Solutions	D	C	A	C
Amyl Acetate (Banana Oil)	D	A	D	D	Chromic Acid	D	B	A	B
Amyl Alcohol	B	A	B	D	Cod Liver Oil	A	A	A	B
Amyl Borate	A	D	A	E	Copper Acetate (aq)	B	A	D	D
Arsenic Acid	A	A	A	A	Copper Chloride (aq)	A	A	A	A
Arsenic Trichloride (aq)	A	C	E	E	Copper Cyanide (aq)	A	A	A	A
Barium Chloride (aq)	A	A	A	A	Copper Sulfate (aq)	A	A	A	A
Barium Hydroxide (aq)	A	A	A	A	Creosote (coal tar)	A	D	A	D
Barium Sulfate (aq)	A	A	A	A	Cresylic Acid	D	D	A	D
Barium Sulfide (aq)	A	A	A	A	Cyclohexane	A	D	A	D
Benzaldehyde	D	A	D	B	Cyclohexanol	C	C	A	D
Benzene	D	D	A	D	Cyclohexanone	D	B	D	D
Benzoic Acid	C	C	A	C	Denatured Alcohol	A	A	A	A
Benzoyl Chloride	D	D	A	E	Detergent Solutions	A	A	A	A
Benzyl Alcohol	D	A	A	B	Diacetone Alcohol	D	A	D	B
Benzyl Chloride	D	D	A	D	Dibenzyl Ether	D	B	D	E
Boric Acid	A	A	A	A	Dibenzyl Sebecate	D	B	B	C
Brine	A	A	A	A	Dibromoethyl Benzene (Alkazene)	D	D	B	D
Bromine, Anhydrous	D	D	A	D	Dibutyl Amine	D	C	D	C
Bromine Water	D	B	A	D	Dibutyl Ether	D	C	C	D
Butadiene	D	C	A	D	Dibutyl Phthalate	D	B	C	B
Butane	A	D	A	D	Dibutyl Sebecate	D	B	B	B
Butyl Acetate	D	C	D	D	O-Dichlorobenzene	D	D	A	D
Butyl Acetyl Ricinoleate	C	A	A	E	Dichloro-Isopropyl Ether	D	C	C	D
Butyl Alcohol	A	B	A	B	Diethylamine	B	B	D	B
Butyl Amine	C	B	D	D	Diethyl Benzene	D	D	A	D
Butyl Benzoate	D	B	A	E	Diethyl Ether	D	D	D	D
Butyl Carbitol	D	A	A	D	Diethylene Glycol	A	A	A	B
Butyl Cellosolve	D	A	D	E	Diethyl Sebecate	B	B	B	B
Butyl Oleate	D	B	A	E	Diisobutylene	B	D	A	D
Butyl Stearate	B	C	A	E	Diisopropyl Benzene	D	D	A	E
Butylene	B	D	A	D	Diisopropyl Ketone	D	A	D	D
Butyraldehyde	D	B	D	D	Diisopropylidene Acetone	D	C	D	D
Carbolic Acid (Phenol)	D	B	A	D	Dimethyl Aniline (Xylidine)	C	B	D	D
Carbon Bisulfide	C	D	A	D	Dimethyl Ether (Methyl Ether)	A	D	A	A

A – SATISFACTORY B – FAIR C – SEVERE EFFECT – EXCEPT FOR SOME STATIC APPLICATIONS D – UNSATISFACTORY E – INSUFFICIENT INFORMATION

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COMPOUND SELECTION FOR FLUIDS AND CHEMICALS

(See Note Below)

	<i>BUNA-N</i>	<i>E.P.D.M.</i>	<i>VITON®</i>	<i>SILICONE</i>		<i>BUNA-N</i>	<i>E.P.D.M.</i>	<i>VITON®</i>	<i>SILICONE</i>
Dimethyl Formamide	B	B	D	B	Hydrogen Sulfide (wet) cold	D	A	D	C
Dimethyl Phthalate	D	B	B	E	Hydroquinone	C	B	B	E
Dinitrotoluene	D	D	D	D	Iodoform	E	D	E	E
Diocetyl Phthalate	C	B	B	C	Isobutyl Alcohol	B	A	A	A
Diocetyl Sebecate	D	B	B	C	Isooctane	A	D	A	D
Dioxane	D	B	D	D	Isopropyl Acetate	D	B	D	D
Dioxolane	D	B	D	D	Isopropyl Alcohol	B	A	A	A
Dipentene	A	D	A	D	Isopropyl Chloride	D	D	A	D
Diphenyl (Phenylbenzene)	D	D	A	D	Isopropyl Ether	B	D	D	D
Diphenyl Oxides	D	D	A	C	Kerosene	A	D	A	D
Dowtherm Oil	D	D	A	C	Lacquers	D	D	D	D
Ethane	A	D	A	D	Lactic Acid (cold)	A	A	A	A
Ethanolamine	B	B	D	B	Lead Acetate (aq)	B	A	D	D
Ethyl Acetate	D	B	D	B	Lead Nitrite (aq)	A	A	E	B
Ethyl Acetoacetate	D	B	D	B	Lime Bleach	A	A	A	B
Ethyl Acrylate	D	B	D	B	Linoleic Acid	B	D	B	B
Ethyl Alcohol	A	A	C	A	Maleic Acid	D	B	A	E
Ethyl Benzene	D	D	A	D	Malic Acid	A	B	A	B
Ethyl Benzoate	D	A	A	D	Methane	A	D	B	D
Ethyl Cellosolve	D	B	D	D	Methyl Acetate	D	A	D	D
Ethyl Cellulose	B	B	D	C	Methyl Acrylate	D	B	D	D
Ethyl Chloride	A	C	A	D	Methylacrylic Acid	D	B	D	D
Ethyl Chlorocarbonate	D	B	A	D	Methyl Alcohol	A	A	D	A
Ethyl Chloroformate	D	B	D	D	Methyl Bromide	B	D	A	E
Ethyl Ether	C	C	D	D	Methyl Butyl Ketone	D	A	D	C
Ethyl Pentachlorobenzene	D	D	A	D	Methyl Cellosolve	C	B	D	D
Ethylene	A	B	A	E	Methyl Chloride	D	C	B	D
Ethylene Chloride	D	C	B	D	Methyl Cyclopentane	D	D	B	D
Ethylene Diamine	A	A	D	A	Methylene Chloride	D	C	B	D
Ethylene Dichloride	D	C	A	D	Methyl Ether	A	D	A	A
Ethylene Glycol	A	A	A	A	Methyl Ethyl Ketone	D	A	D	D
Fluoroboric Acid	A	A	E	E	Methyl Isobutyl Ketone	D	B	D	D
Freon 11	B	D	A	D	Methyl Methacrylate	D	C	D	D
Freon 12	A	B	B	D	Milk	A	A	A	A
Freon 22	D	A	D	D	Mineral Oil	A	C	A	B
Fumaric Acid	A	B	A	B	Monoethanol Amine	D	A	D	B
Gallic Acid	B	B	A	E	Monomethyl Ether	A	D	A	A
Gasoline	B	D	A	D	Monovinyl Acetylene	A	A	A	B
Glucose	A	A	A	A	Mustard Gas	E	A	E	A
Glycerin	A	A	A	A	Naphthalenic Acid	B	D	A	D
Hexane	A	D	A	D	Natural Gas	A	D	A	A
Hexyl Alcohol	A	C	A	B	Nickel Acetate (aq)	B	A	D	D
Hydrazine	B	A	D	C	Nickel Chloride (aq)	A	A	A	A
Hydrobromic Acid	D	A	A	D	Nickel Sulfate (aq)	A	A	A	A
Hydrocyanic Acid	B	A	A	C	Nitric Acid (dilute)	D	B	A	B
Hydrofluoric Acid (conc.) cold	D	C	A	D	Nitrobenzene (Ligroin)	A	D	A	D
Hydrofluosilicic Acid	B	B	A	D	Nitroethane	D	B	D	D
Hydrogen Gas	A	A	A	C	Nitrogen Tetroxide	D	C	D	D
Hydrogen Peroxide (90%)	D	B	B	B	Octachlorotoluene	D	D	A	D

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COMPOUND SELECTION FOR FLUIDS AND CHEMICALS

(See Note Below)

	BUNA-N	E.P.D.M.	VITON®	SILICONE		BUNA-N	E.P.D.M.	VITON®	SILICONE
Octadecane	A	D	A	D	Sulfurous Acid	B	B	A	D
N-Octane	B	D	A	D	Tannic Acid	A	A	A	B
Octyl Alcohol	B	C	A	B	Tartaric Acid	A	B	A	A
Oleic Acid	C	D	B	D	Tetrachloroethylene	D	D	A	D
Oxalic Acid	B	A	A	B	Toluene	D	D	A	D
Oxygen - Cold	B	A	A	A	Triethanol Amine	B	A	D	E
Ozone	D	A	A	A	Trioctyl Phosphate	D	A	B	C
Palmitic Acid	A	B	A	D	Tung Oil (China Wood Oil)	A	C	A	D
Perchloric Acid	D	B	A	D	Turpentine	A	D	A	D
Phenyl Ethyl Ether	D	D	D	D	Vegetable Oils	A	C	A	B
Phosphoric Acid - 20%	B	A	A	B	Vinegar	B	A	A	A
Phosphorus Trichloride	D	A	A	E	Whiskey, Wines	A	A	A	A
Piperidine	D	A	D	D	White Pine Oil	B	D	A	D
Polyvinyl Acetate Emulsion	E	A	E	E	Zinc Chloride (aq)	A	A	A	A
Potassium Acetate (aq)	B	A	D	D					
Potassium Chloride (aq)	A	A	A	A					
Potassium Cyanide (aq)	A	A	A	A					
Potassium Nitrate (aq)	A	A	A	A					
i-Propyl Acetate	D	B	D	D					
Propyl Nitrate	D	B	D	D					
Propylene	D	D	A	D					
Pyridine	D	B	D	D					
Salicylic Acid	B	A	A	E					
Silicone Oils	A	A	A	C					
Soap Solutions	A	A	A	A					
Sodium Acetate (aq)	B	A	D	D					
Sodium Bicarbonate (aq) <small>(baking soda)</small>	A	A	A	A					
Sodium Borate (aq)	A	A	A	A					
Sodium Chloride (aq)	A	A	A	A					
Sodium Hydroxide (aq)	B	A	B	B					
Sodium Nitrate (aq)	B	A	E	D					
Sodium Peroxide (aq)	B	A	A	D					
Soybean Oil	A	C	A	A					
Steam, under 300°F	D	A	D	C					
Stearic Acid	B	B	E	B					
Stoddard Solvent	A	D	A	D					
Sulfur Chloride (aq)	C	D	A	C					
Sulfuric Acid (dilute)	C	B	A	D					

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