

CHEMICAL RESISTANCE CHART

The recommendations made here are intended as a guideline for the selection of a suitable gasket type, as the function and durability of products are dependent upon a number of factors, the data may not be used to support any warranty claims. With its publication this edition supersedes all previous issues and is subject to change without further notice.

- + Recommended
- Recommendation dependent on operating conditions
- Not recommended

Acetamide	+	Dioxane	-	Oleic acid	+
Acetic acid, 10%	+	Diphenyl (Dowtherm A)	+	Oleum (Sulfuric acid, fuming)	-
Acetic acid, 100% (Glacial)	-	Esters	○	Oxalic acid	○
Acetone	○	Ethane (gas)	+	Oxygen (gas)	+
Acetonitrile	-	Ethers	○	Palmitic acid	+
Acetylene (gas)	+	Ethyl acetate	○	Paraffin oil	+
Acid chlorides	-	Ethyl alcohol (Ethanol)	+	Pentane	+
Acrylic acid	○	Ethyl cellulose	○	Perchloroethylene	-
Acrylonitrile	-	Ethyl chloride (gas)	-	Petroleum (Crude oil)	+
Adipic acid	+	Ethylene (gas)	+	Phenol (Carbolic acid)	-
Air (gas)	+	Ethylene glycol	+	Phosphoric acid, 40%	○
Aldehydes	○	Formaldehyde (Formalin)	○	Phosphoric acid, 85%	-
Alum	+	Formamide	○	Phthalic acid	+
Aluminum acetate	+	Formic acid, 10%	+	Potassium acetate	+
Aluminum chlorate	○	Formic acid, 85%	○	Potassium bicarbonate	+
Aluminum chloride	○	Formic acid, 100%	-	Potassium carbonate	+
Aluminum sulfate	○	Freon-12 (R-12)	+	Potassium chloride	+
Amines	-	Freon-134a (R-134a)	+	Potassium cyanide	+
Ammonia (gas)	○	Freon-22 (R-22)	○	Potassium dichromate	○
Ammonium bicarbonate	+	Fruit juices	+	Potassium hydroxide	○
Ammonium chloride	+	Fuel oil	+	Potassium iodide	+
Ammonium hydroxide	+	Gasoline	+	Potassium nitrate	+
Amyl acetate	○	Gelatin	+	Potassium permanganate	○
Anhydrides	○	Glycerine (Glycerol)	+	Propane (gas)	+
Aniline	-	Glycols	+	Propylene (gas)	+
Anisole	○	Helium (gas)	+	Pyridine	-
Argon (gas)	+	Heptane	+	Salicylic acid	○
Asphalt	+	Hydraulic oil (Glycol-based)	+	Seawater/brine	+
Barium chloride	+	Hydraulic oil (Mineral type)	+	Silicones (oil/grease)	+
Benzaldehyde	-	Hydraulic oil (Phosphate ester based)	○	Soaps	+
Benzene	+	Hydrazine	-	Sodium aluminate	+
Benzoic acid	○	Hydrochloric acid, 10%	○	Sodium bicarbonate	+
Bio-diesel	+	Hydrochloric acid, 37%	-	Sodium bisulfite	+
Bio-ethanol	+	Hydrofluoric acid, 10%	-	Sodium carbonate	+
Black liquor	○	Hydrofluoric acid, 48%	-	Sodium chloride	+
Borax	+	Hydrogen (gas)	+	Sodium cyanide	+
Boric acid	+	Iron sulfate	+	Sodium hydroxide	○
Butadiene (gas)	+	Isobutane (gas)	+	Sodium hypochlorite (Bleach)	○
Butane (gas)	+	Isooctane	+	Sodium silicate (Water glass)	+
Butyl alcohol (Butanol)	+	Isoprene	+	Sodium sulfate	+
Butyric acid	+	Isopropyl alcohol (Isopropanol)	+	Sodium sulfide	+
Calcium chloride	+	Kerosene	+	Starch	+
Calcium hydroxide	+	Ketones	○	Steam	+
Carbon dioxide (gas)	+	Lactic acid	○	Stearic acid	+
Carbon monoxide (gas)	+	Lead acetate	+	Styrene	○
Cellosolve	○	Lead arsenate	+	Sugars	+
Chlorine (gas)	-	Magnesium sulfate	+	Sulfur	○
Chlorine (in water)	+	Maleic acid	+	Sulfur dioxide (gas)	○
Chlorobenzene	○	Malic acid	○	Sulfuric acid, 20%	-
Chloroform	-	Methane (gas)	+	Sulfuric acid, 98%	-
Chloroprene	○	Methyl alcohol (Methanol)	+	Sulfuryl chloride	-
Chlorosilanes	-	Methyl chloride (gas)	○	Tar	+
Chromic acid	-	Methylene dichloride	○	Tartaric acid	○
Citric acid	○	Methyl ethyl ketone (MEK)	○	Tetrahydrofuran (THF)	-
Copper acetate	+	N-Methyl-pyrrolidone (NMP)	○	Titanium tetrachloride	-
Copper sulfate	+	Milk	+	Toluene	+
Creosote	○	Mineral oil (ASTM no.1)	+	2,4-Toluenediisocyanate	○
Cresols (Cresylic acid)	-	Motor oil	+	Transformer oil (Mineral type)	+
Cyclohexane	+	Naphtha	+	Trichloroethylene	-
Cyclohexanol	+	Nitric acid, 10%	-	Vinyl acetate	+
Cyclohexanone	○	Nitric acid, 65%	-	Vinyl chloride (gas)	-
Decalin	+	Nitrobenzene	-	Vinylidene chloride	-
Dextrin	+	Nitrogen (gas)	+	Water	+
Dibenzyl ether	○	Nitrous gases (NOx)	○	White spirits	+
Dibutyl phthalate	○	Octane	+	Xylenes	+
Dimethylacetamide (DMA)	○	Oils (Essential)	+	Xylenol	-
Dimethylformamide (DMF)	○	Oils (Vegetable)	+	Zinc sulfate	+