

Acid Resistance Chart

Maximum test pressure: 4.3 PSI (29.6 KPA)

Maximum operating temperature: 140° F non-consistent

R - Recommended N - Not Recommended

Reagent	Flexible Coupling 70°F	Proflex 70°F	Reagent	Flexible Coupling 70°F	Proflex 70°F	Reagent	Flexible Coupling 70°F	Proflex 70°F
Acetic Acid 20%	R	R	Disodium Phosphate	N	N	Silver Cyanide	R	R
Acetic Acid 80%	N	N	Distilled Water	R	R	Silver Nitrate	R	R
Acetone	N	N	Ethers	R	N	Silver Sulfate	R	R
Alcohol (Methyl or Ethyl)	R	R	Ethyl Acetate	N	N	Sodium Bicarbonate	R	R
Aluminum Chloride	R	R	Ethylene Chloride	N	N	Sodium Bisulfite	R	R
Aluminum Sulfate	R	R	Ethylene Glycol	R	R	Sodium Carbonate	R	R
Alums	R	R	Fatty Acids (C6)	R	R	Sodium Cyanide	R	R
Ammonia Gas (Dry)	R	R	Ferric Chloride	R	R	Sodium Ferrocyanide	R	R
Ammonium Chloride	R	R	Ferric Sulfate	R	R	Sodium Hydroxide	R	R
Ammonium Hydroxide	R	R	Fluorine (Gas Wet)	N	N	Sodium Hypochlorite	R	N
Ammonium Nitrate	R	R	Formaldehyde (20%)	R	R	Sodium Sulfate	R	R
Ammonium Phosphate	R	R	Formic Acid (10%)	R	R	Sodium Sulfide	R	R
Ammonium Sulfate	R	R	Freon 12 Dry	N	R	Sodium Sulfite	R	R
Ammonium Sulfide	R	R	Fruit Juices & Pulp	R	R	Sodium Thiosulfate	R	N
Amyl Chloride	N	N	Furfural	N	N	Stannic Chloride	R	N
Aniline	N	N	Gasoline (Refined)	N	N	Stannous Chloride	R	R
Aqua Regia	N	N	Glucose	R	R	Stearic Acid	R	R
Barium Chloride	R	R	Glycerine	R	R	Sulfite Liquor S	R	R
Barium Hydroxide	R	R	Hydrobromic Acid (20%)	R	N	ulfur	R	N
Barium Sulfate	R	R	Hydrochloric Acid	R	N	Sulfur Dioxide (Dry) \	R	N
Barium Sulfide	R	R	Hydrocyanic Acid	R	R	Sulfur Dioxide (Wet)	R	N
Beer	R	R	Hydroquinone	R	N	Sulfuric Acid 50%	R	R
Beet Sugar Liquors	R	R	Hypochlorous Acid	R	N	Sulfuric Acid 70%	N	N
Benzene	N	N	Iodine	N	N	Sulfuric Acid 93%	N	N
Benzoic Acid	R	N	Kerosene	N	N	Sulfurous Acid	R	N
Black Liquor	R	R	Lactic Acid 25%	R	R	Tannic Acid	R	R
Bleach 12.5% active Cl2	R	N	Linseed Oil	R	R	Tanning Liquors	R	R
Boric Acid	R	R	Liquors	N	N	Tartaric Acid	R	R
Bromic Acid	R	N	Machine Oil	N	N	Toluene	N	N
Bromine Water	N	N	Magnesium Chloride	R	R	Trichloroethylene	N	N
Butane	N	R	Magnesium Sulfate	R	R	Triethanolamine	N	N
Butyric Acid	N	N	Maleic Acid	N	N	Trisodium Phosphate	R	R
Calcium Carbonate	R	R	Methyl Chloride	N	N	Turpentine	N	N
Calcium Chloride	R	R	Methyl Ethyl Ketone	N	N	Urea	R	R
Calcium Hydroxide	R	R	Milk	R	R	Urine	R	R
Calcium Hypochlorite	R	N	Mineral Oils	N	R	Vinegar	R	R
Calcium Sulfate	R	R	Muriatic Acid	R	N	Water (Fresh)	R	R
Cane Sugar Liquors	R	R	Nickel Chloride	R	R	Water (Salt)	R	R
Carbon Bisulfide	N	N	Nickel Sulfate	R	R	Whiskey	R	R
Carbon Dioxide	R	R	Nitric Acid 0-40%	R	N	Wines	R	R
Carbon Monoxide	R	R	Nitric Acid 41-100%	N	N	Xylene	N	N
Carbon Tetrachloride	N	N	Oleic Acid	N	N	Zinc Chloride	R	R
Carbon Acid	R	R	Oelum	N	N	Zinc Sulfate	R	R
Caustic Soda	R	N	Oxalic Acid	R	R			
Caustic Soda 50%	R	R	Palmitic Acid 10%	R	R			
Caustic Potash	R	R	Perchloric Acid	N	N			
Chloride (Dry)	N	N	Petroleum Oils (Sour)	N	N			
Chloride (Wet)	N	N	Phenol 5%	N	N			
Chloroacetic Acid	N	N	Phosphorous Trichloride	N	N			
Chlorobenzene	N	N	Photographic Solutions	R	R			
Chloroform	N	N	Picric Acid	N	N			
Chromic Acid 10%	R	N	Plating Solution	R	R			
Chromic Acid 50%	N	N	Potassium Carbonate	R	R			
Citric Acid	R	R	Potassium Chlorate	R	R			
Copper Chloride	R	R	Potassium Chloride	R	R			
Copper Cyanide	R	R	Potassium Cyanide	R	R			
Copper Nitrate	R	R	Potassium Dichromate	R	R			
Copper Sulfate	R	R	Potassium Hydroxide	R	R			
Cottonseed Oil	R	R	Potassium Permanganate 10%	R	R			
Cresol	N	N	Potassium Sulfate	R	R			
Cyclohexanol	N	R	Propane Gas	R	R			
Cyclohexanone	N	N	Propyl Alcohol	R	R			
Dimethylamine	N	N	Sea Water	R	R			
Diocetyl Pthalate	N	N	Sewage	R	R			

NOTE: The data listed in this table is only to give information in regard to general use and does not constitute a guarantee. Materials should be tested under actual service to determine suitability for a particular purpose.