

PTFE Chemical Resistance

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This chart is intended to be used as a general guide only. Since each rating is for ideal conditions, all factors affecting chemical resistance must be considered.

Acetaldehyde	E	Bromine	*	Cresol	E
Acetamide, Sat.	E	Bromobenzene	E	Cyclohexane	E
Acetic Acid, 5%	E	Bromoform	E	Decalin	E
Acetic Acid, 50%	E	Butadiene	E	o-Dichlorobenzene	E
Acetone	E	n-Butyl Acetate	E	p-Dichlorobenzene	E
Acetonitrile	E	n-Butyl Alcohol	E	Diethyl Benzene	E
Acrylonitrile	E	sec-Butyl Alcohol	E	Diethyl Ether	E
Adipic Acid	E	tert-Butyl Alcohol	E	Diethyl Ketone	E
Alanine	E	Butyric Acid	E	Diethyl Malonate	E
Allyl Alcohol	E	Calcium Hydroxide, Conc.	E	Diethylene Glycol	E
Aluminum Hydroxide	E	Calcium Hypochlorite, Sat.	E	Dimethyl Formamide	E
Aluminum Salts	E	Carbazole	E	Dimethylsulfoxide	E
Amino Acids	E	Calcium Hydroxide, Conc.	E	1,4-Dioxane	E
Ammonia	E	Calcium Hypochlorite, Sat.	E	Dipropylene Glycol	E
Ammonium Acetate, Sat.	E	Carbazole	E	Ether	E
Ammonium Glycolate	E	Carbon Disulfide	E	Ethyl Acetate	E
Ammonium Hydroxide 5%	E	Carbon Tetrachloride	E	Ethyl Alcohol (absolute)	E
Ammonium, Hydroxide 30%	E	Cedarwood Oil	E	Ethyl Alcohol, 40%	E
Ammonium Oxalate	E	Cellosolve Acetate	E	Ethyl Benzene	E
Ammonium Salts	E	Chlorine, 10% in Air	E	Ethyl Benzoate	E
n-Amyl Acetate	E	Chlorine, 10% (Moist)	E	Ethyl Butyrate	E
Amyl Chloride	E	Chloroacetic Acid	E	Ethyl Chloride	E
Aniline	E	p-Chloroacetophenone	E	Ethyl Cyanoacetate	E
Benzaldehyde	E	Chloroform	E	Ethyl Lactate	E
Benzene	E	Chromic Acid, 10%	E	Ethylene Chloride, Liquid	E
Benzoic Acid, Sat.	E	Chromic Acid, 50%	E	Ethylene Glycol	E
Benzyl Acetate	E	Cinnamon Oil	E	Ethylene Oxide	E
Benzyl Alcohol	E	Citric Acid, 10%	E	Fluorides	E

* = Moderate Attack or appreciable absorption. Material will have limited life.

E = Excellent

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Fluorine	*	Methyl Ethyl Ketone	E	Silver Acetate	E
Formaldehyde, 10%	E	Methyl Isobutyl Ketone	E	Silver Nitrate	E
Formaldehyde, 40%	E	Methyl Propyl Ketone	E	Sodium Acetate, Sat.	E
Formic Acid, 3%	E	Methylene Chloride	E	Sodium Hydroxide, 1%	E
Formic Acid, 50%	E	Mineral Oil	E	Sodium Hydroxide 50%-Sat.	E
Formic Acid, 98-100%	E	Nitric Acid, 1-10%	E	Sodium Hypochlorite, 15%	E
Fuel Oil	E	Nitric Acid, 50%	E	Stearic Acid, Crystals	E
Gasoline	E	Nitric Acid, 70%	E	Sulfuric Acid, 1-6%	E
Glacial Acetic Acid	E	Nitrobenzene	E	Sulfuric Acid, 20%	E
Glycerin	E	n-Octane	E	Sulfuric Acid, 60%	E
n-Heptane	E	Orange Oil	E	Sulfuric Acid, 98%	E
Hexane	E	Ozone	E	Sulfuric Dioxide, Liq., 46psi	E
Hydrochloric Acid, 1-5%	E	Perchloric Acid	*	Sulfuric Dioxide, wet or dry	E
Hydrochloric Acid, 20%	E	Perchloroethylene	E	Sulfur Salts	E
Hydrochloric Acid, 35%	E	Phenol, Crystals	E	Tartaric Acid	E
Hydrofluoric Acid, 4%	E	Phosphoric Acid, 1-5%	E	Tetrahydrofuran	E
Hydrofluoric Acid, 48%	E	Phosphoric Acid, 85%	E	Thionyl Chloride	E
Hydrogen Peroxide, 3%	E	Pine Oil	E	Toluene	E
Hydrogen Peroxide, 30%	E	Potassium Hydroxide, 1%	E	Tributyl Citrate	E
Hydrogen Peroxide, 90%	E	Potassium Hydroxide, Conc.	E	Trichloroethane	E
Isobutyl Alcohol	E	Propane Gas	E	Trichloroethylene	E
Isopropyl Acetate	E	Propylene Glycol	E	Triethylene Glycol	E
Isopropyl Alcohol	E	Propylene Oxide	E	Tripropylene Glycol	E
Isopropyl Benzene	E	Resorcinol, Sat.	E	Turpentine	E
Kerosene	E	Resorcinol, 5%	E	Undecyl Alcohol	E
Lactic Acid, 3%	E	Salicylaldehyde	E	Urea	E
Lactic Acid, 85%	E	Salicylic Acid, Powder	E	Vinylidene Chloride	E
Methoxyethyl Oleate	E	Salicylic Acid, Sat.	E	Xylene	E
Methyl Alcohol	E	Salt Solutions, Metallic	E	Zinc Stearate	E

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