Chemical Resistance Chart

A thru F

E = Excellent G = Good F = Fair N = Not Recommended				
CHEMICALS	FEP	PFA	PTFE	CHEMICALS
Acetaldehyde	E / E	E / E	E / E	Chlorine, 10% in Air
Acetamide, Sat.	E / E	E / E	E / E	Chlorine, 10% (Moist)
Acetic Acid, 5%	E / E	E / E	E / E	Chloroacetic Acid
Acetic Acid, 50%	E / E	E / E	E / E	p-Chloroacetophenone
Acetone	E / E	E / E	E / E	Chloroform
Acetonitrile	E / E	E / E	E / E	Chromic Acid, 10%
Acrylonitrile	E / E	E / E	E / E	Chromic Acid, 50%
Adipic Acid	E / E	E / E	E / E	Cinnamon Oil
Alanine	E / E	E / E	E / E	Citric Acid, 10%
Allyl Alcohol	E / E	E / E	E / E	Cresol
Aluminum Hydroxide	E / E	E / E	E / E	Cyclohexane
Aluminum Salts	E / E	E / E	E / E	Decalin
Amino Acids	E / E	E / E	E / E	o-Dichlorobenzene
Ammonia	E / E	E / E	E / E	p-Dichlorobenzene
Ammonium Acetate, Sat.	E / E	E / E	E / E	Diethyl Benzene
Ammonium Glycolate	E / E	E / E	E / E	Diethyl Ether
Ammonium Hydroxide, 5%	E / E	E / E	E / E	Diethyl Ketone
Ammonium, Hydroxide, 30%	E / E	E / E	E / E	Diethyl Malonate
Ammonium Oxalate	E / E	E / E	E / E	Diethylene Glycol
Ammonium Salts	E / E	E / E	E / E	Diethylene Glycol Ethyl Ether
n-Amyl Acetate	E / E	E / E	E / E	Dimethyl Formamide
Amyl Chloride	E / E	E / E	E / E	Dimethylsulfoxide
Aniline	E / E	E / E	E / E	1,4-Dioxane
Benzaldehyde	E / E	E / E	E / E	Dipropylene Glycol
Benzene	E / E	E / E	E / E	Ether
Benzoic Acid, Sat.	E / E	E / E	E / E	Ethyl Acetate
Benzyl Acetate	E / E	E / E	E / E	Ethyl Alcohol (absolute)
Benzyl Alcohol	E / E	E / E	E / E	Ethyl Alcohol, 40%
Bromine	E / E	E / E	E / E	Ethyl Benzene
Bromobenzene	E / E	E / E	E / E	Ethyl Benzoate
Bromoform	E / E	E / E	E / E	Ethyl Butyrate
Butadiene	E / E	E / E	E / E	Ethyl Chloride
n-Butyl Acetate	E / E	E / E	E / E	Ethyl Cyanoacetate
n-Butyl Alcohol	E / E	E / E	E / E	Ethyl Lactate
sec-Butyl Alcohol	E / E	E / E	E / E	Ethylene Chloride, Liquid
tert-Butyl Alcohol	E / E	E / E	E / E	Ethylene Glycol
Butyric Acid	E / E	E / E	E / E	Ethylene Glycol Methyl Ether
Calcium Hydroxide, Conc.	E / E	E / E	E / E	Ethylene Oxide
Calcium Hypochlorite, Sat.	E / E	E / E	E / E	Fluorides
	E / G	E / G	E / G	Fluorine
Carbazole	E / E	E / E	E / E	Formaldehyde, 10%
Carbon Disulfide	E / E	E / E	E / E	Formaldehyde, 40%
Carbon Tetrachloride	E / E	E / E	E / E	Formic Acid, 3%
Cedarwood Oil	E / E	E / E	E / E	Formic Acid, 50%
Cellosolve Acetate	E / E	E / E	E / E	Formic Acid, 98-100%
CHEMICALS	FEP	PFA	PTFE	CHEMICALS
E = Excellent G = Good F = Fair N = Not Recommended				

This chart is intended to be used as a general guide only. Since each pair of ratings listed is for ideal conditions, all factors affecting chemical resistance must be considered. The First letter of each pair applies to conditions of 68 F, the second letter applies to conditions of 122 F.

Chemical Resistance Chart

G thru Z

E = Excellent G = Good F = Fair N = Not Recommended

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

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