

Appendices

Fluid Compatibility Chart PF Series (Plastic/Polypropylene Material)

Ratings Code:

- G** – Good to excellent. Little or no swelling, tensile or surface changes. Preferred choice.
L – Marginal or conditional. Noticeable effects but not necessarily indicating lack of serviceability. Further testing suggested for specific application. Very long-term effects such as stiffening or potential for crazing should be evaluated.
P – Poor or unsatisfactory. Not recommended without extensive and realistic testing.
— – Indicates that this was not tested.
– For Teflon. Indicates good chemical resistance but potential for excessive permeation.

MEDIA	Polypropylene	MEDIA	Polypropylene
Acetaldehyde	P	Glucose	G
Acetates	L	Glycerine	G
Acetic Acid	G	Hydriodic Acid	—
Acetic Anhydride	L	Hydrochloric Acid (Conc.)	G
Acetone	G	Hydrochloric Acid (Med. Conc.)	G
Acetyl Bromide	—	Hydrofluoric Acid	G
Acetyl Chloride	L	Hydrogen Peroxide (Conc.)	L
Air	G	Hydrogen Peroxide (Dil.)	L
Alcohols	L	Hydrogen Sulfide	G
Aluminum Salts	G	Iodine	G
Ammonia	G	KeroseneP	—
Amyl Acetate	L	Ketones	G
Aniline	G	Lacquer Solvent	L
Animal Oils	G	Lactic Acid	G
Arsenic Salts	L	Lead Acetate	G
Aromatic Hydrocarbons	—	Linseed Oil	G
Barium Salts	G	Magnesium Salts	G
Benzaldehyde	L	Naphtha L	L
Benzene (Benzol)	L	Natural Gas	L
Benzyl Alcohol	G	Nickel Salts	G
Bleaching Liquors	—	Nitric Acid (Conc.)	P
Boric Acid Solution	G	Nitric Acid (Dil.)	L
Bromine	P	Nitrobenzene	G
Butane	L	Nitrogen Oxides	—
Butanol	—	Nitrous Acid	G
Butyl Acetate	P	Oils (Animal and Mineral)	L
Calcium Salts	G	Oils (Vegetable)	L
Carbon Dioxide	G	Oxygen	L
Carbon Disulfide	L	Perchloric Acid	L
Carbon Tetrachloride	P	Phenol	G
Caustic Potash	G	Potassium Salts	G
Caustic Soda	G	Pyridine	G
Chloracetic Acid	L	Silver Nitrate	G
Chlorine (Dry)	P	Soap Solutions	G
Chlorine (Wet)	P	Sodium Salts	G
Chlorobenzene	P	Stearic Acid	L
Chloroform	P	Sulfur Chloride	P
Chromic Acid	G	Sulfuric Acid (Conc.)	L
Copper Salts	G	Sulfuric Acid (Dil.)	G
Cresol	L	Sulfurous Acid	L
Cyclohexanone	L	Tannic Acid	G
Ethers	P	Tanning Extracts	L
Ethyl Acetate	L	Titanium Salts	—
Ethyl Alcohol	G	Toluene (Toluol)	P
Ethylamine	L	Trichloroacetic Acid	G
Ethyl Bromide	—	Trichlorethylene	P
Ethyl Chloride	P	Turpentine	P
Fatty Acids	G	Urea	G
Ferric Salts	G	Uric Acid	—
Formaldehyde	G	Water	G
Formic Acid	G	Xylene (Xylol)	P
Freon	L	Zinc Chloride	G
Gasoline	L		