Chemical Compatibility Chart
Polymer Comparison

Rating System*

The following codes are used to rate chemical resistance:
● = Resistant
● = Limited Resistant
● = Not Resistant
N = Not Recommended (some swelling or degradation will probably occur)
T = Test

* Chemical compatibility refers to the base material of the membrane. The influences of various chemicals on the surface of the membrane must be tested and validated by the customer. The Chemical Compatibility Chart is only a guide. Application conditions may vary and can affect compatibility accuracy.

SUBSTANCE AT 21°C (70°F)	PC	PET	PP
Acetic acid, 5%	●	●	●
Acetic acid, 10%	●	●	●
Acetic acid, 100% (glacial)	●	●	●
Acetone	●	●	●
Acetonitrile	●	T	●
Ammonium hydroxide, 6N	N	●	T
Amyl acetate	●	●	●
Amyl alchol	T	T	●
Aniline	N	●	●
Benzene	●	●	●
Benzyl alcohol	●	●	●
Boric acid	●	●	●
Bromoform	N	●	T
Butyl acetate	●	●	●
Butyl alcohol	●	●	●
Butyl cellosolve	●	●	T
Carbon tetrachloride	●	●	N
Cellosolve	●	●	T
Chloroform	N	●	●
Cottonseed Oil	●	T	●
Cyclohexane	●	●	●
Cyclohexnone	●	T	●
Dimethyl acetamide	●	●	T
Dimethyl formamide	●	●	●
Dimethyl sulphoxide	N	●	T
Dioxane	N	●	●
Ethyl Alcohol <80%	●	●	T
Ethyl Alcohol >80%	●	●	T
Ethyl Ether	●	●	N
Ethylene Dichloride	N	●	T
Ethylene Glycol	●	●	●
Formaldehyde	●	●	●
Freon TF	●	●	T

SUBSTANCE AT 21°C (70°F)	PC	PET	PP
Gasoline	●	●	N
Glycerine (Glycerol)	●	●	●
Hexane	●	●	T
Hydrochlololoric acid, 6N	●	●	T
Hydrochlololoric acid, Conc.	●	N	T
Hydrofluoric acid, 10%	T	T	●
Hydrofluoric acid, 35%	T	T	T
Hydrogen peroxide, 30%	●	●	●
Isobutyl alcohol	●	●	T
Isopropanol	●	●	T
Isopropyl acetate	●	●	●
Kerosene	●	●	T
Kodak KMER FTFR	●	●	T
Methanol	●	T	T
Methyl acetate	N	●	●
Methyl cellosolve	N	●	T
Methyl ethyl ketone	●	●	T
Methyl isobutyl ketone	●	T	T
Methylene chloride	N	●	N
Nitric acid, 6N	●	●	T
Nitric acid, Conc.	●	N	T
Nitrobenzene	N	●	●
Peanut oil	●	●	N
Pentane	●	●	T
Perchloroethylene	T	T	●
Petroleum oils	●	●	●
Potassium hydroxide, 6N	N	●	●
Propanol	●	●	●
Pyridine	●	●	T
Seasame oil	●	●	T
Shiply (AS-111,340,1350)	●	●	T
Silcone oils	●	●	●
Soduim hydroxide, 6N	N	●	T
Sulfuric acid, 6N	●	●	T
Sulfuric acid, Conc.	N	N	T
Tetrahydrofuran	N	T	●
Toluene	●	●	●
Trichloroethane	N	T	T
Trichloroethylene	N	●	●
Triethylamine	●	●	T
Turpentine	●	●	T
Xylene	●	●	●
Waycoat 59	●	●	T