

Chemical Compatibility Chart

	Nylon	PTFE	MCE	GF	PES	CA	PVDF
ACIDS							
Acetic, Glacial	L	R	N	R	R	N	R
Acetic, 25%	R	R	N	R	R	R	R
Hydrochloric, Concentrated	N	R	N	R	R	N	R
Hydrochloric, 25%	N	R	N	R	R	N	R
Sulphuric, Concentrated	N	R	N	R	N	N	N
Sulphuric, 25%	N	R	R	R	R	R	R
Nitric, Concentrated	N	R	N	L	N	N	R
Nitric, 25%	N	R	R	L	R	N	R
Phosphoric, 25%	N	R	T	T	T	R	T
Formic, 25%	N	R	T	R	T	L	T
Trichloroacetic, 25%	N	R	T	T	T	R	T
ALOHOLS							
Methanol, 98%	R	R	N	R	R	R	R
Ethanol, 98%	R	R	L	R	R	R	R
Ethanol, 70%	L	R	R	R	R	R	R
Isopropanol	R	R	L	R	R	R	R
n-Propanol	R	R	L	R	R	R	R
Amyl Alcohol, Butanol	R	R	N	R	R	R	R
Benzyl Alcohol	R	R	R	T	R	L	R
Ethylene Glycol	R	R	L	R	R	R	R
Propylene Glycol	R	R	L	R	R	L	R
Glycerol	R	R	R	R	R	R	R
BASES							
Ammonium Hydroxide, 25%	R	R	N	R	R	R	L
Sodium Hydroxide, 25%	R	R	N	R	R	T	R
HYDROCARBONS							
Hexane, Xylene	R	R	R	R	N	R	L
Toluene, Benzene	R	R	R	R	N	T	R
Kerosene, Gasoline	R	R	R	T	L	R	L
Tetralin, Decalin	T	R	N	T	T	T	R
Hexane, Xylene	R	R	R	R	X	R	L
HALOGENATED HYDROCARBONS							
Methylene Chloride	L	R	N	R	N	N	R
Chloroform	R	R	R	R	N	N	R

	Nylon	PTFE	MCE	GF	PES	CA	PVDF
Trichloroethylene	R	R	R	R	N	R	R
Monochlorobenzene	R	R	N	R	L	R	R
Freon	R	R	R	R	L	R	R
Carbon Tetrachloride	R	R	R	R	N	L	R
KETONES							
Acetone	R	R	N	R	N	N	N
Cyclohexanone	R	R	N	R	N	N	N
Methyl Ethyl Ketone	R	R	N	R	N	L	L
Isopropylacetone	R	R	N	R	N	R	N
Methyl Isobutyl Ketone	T	R	N	R	N	T	L
OXIDES--ETHERS							
Ethyl Ether	R	R	L	R	R	R	R
Dioxane	R	R	N	R	N	N	L
Tetrahydrofuran	R	R	N	R	N	N	L
Triethanolamine	R	R	L	R	T	R	T
Dimethylsulfoxide (DMSO)	R	R	N	R	N	N	N
Isopropyl Ether	T	R	N	R	R	R	R
SOLVENTS WITH NITROGEN							
Dimethyl Formamide	L	R	N	R	N	N	N
Diethylacetamide	R	R	N	R	T	N	T
Triethanolamine	R	R	L	R	T	R	T
Aniline	T	R	N	R	T	N	T
Pyridine	R	R	N	R	X	N	R
Acetonitrile	R	R	N	R	L	N	L
MISC							
Phenol, Aqueous, 10%	T	R	R	R	N	N	L
Formaldehyde Solution, 30%	R	R	R	R	R	R	R
Hydrogen Peroxide, 30%	R	R	R	R	T	R	T
Silicone Oil & Mineral Oil	T	R	R	R	R	R	R

R= Recommended, N= Not Recommended, T= Test,

L= Limited Resistance (Testing before use is recommended)

PTFE=Polytetrafluoroethylene, MCE=Mixed Cellulose Ester,

GF=Glass Fiber, PES=Polyethersulfone,

CA=Cellulose Acetate, PVDF=Polyvinylidene Fluoride