

CHEMICAL COMPATIBILITY CHART FOR SYRINGE FILTERS

CHEMICAL	NYLON	PTFE	PVDF	CA	RC
ACIDS					
Acetic, Glacial	LC	C	C	NC	C
Acetic, 25%	C	C	C	C	C
Hydrochloric, 25%	NC	C	C	NC	NC
Sulfuric, 25%	NC	C	C	NC	LC
Nitric, 25%	NC	C	C	NC	NC
Phosphoric, 25%	NC	C	ND	C	LC
Formic, 25%	NC	C	ND	LC	C
Trichloroacetic, 10%	NC	C	ND	C	C
ALKALIES					
Ammonium Hydroxide, 25%	C	LC	C	C	LC
Sodium Hydroxide, 3 Normal	C	C	C	NC	LC
ALCOHOLS					
Methanol, 98%	C	C	C	C	C
Ethanol, 98%	C	C	C	C	C
Ethanol, 70%	LC	C	C	LC	C
Isopropanol, n-Propanol	C	C	C	C	C
Amyl alcohol, Butanol	C	C	C	C	C
Benzyl alcohol	C	C	ND	LC	C
Ethylene glycol	C	C	C	C	C
Propylene glycol	C	C	C	LC	C
Glycerol	C	C	C	C	C
HYDROCARBONS					
Hexane, Xylene	C	C	NC	C	C
Toulene, Benzene	C	C	NC	C	C
HALOGENATED HYDROCARBONS					
Methylene Chloride	LC	C	NC	NC	C
Chloroform	C	C	NC	NC	C
Trichloroethylene	C	C	NC	C	C
Monochlorobenzene, Freon	C	C	LC	C	C
Carbon Tetrachloride	C	C	NC	LC	C
KETONES					
Acetone Cyclohexanone	C	NC	NC	NC	C
Methyl Ethyl Ketone	C	LC	NC	LC	C
Isopropylacetone	C	NC	NC	C	C
Methyl Isobutyl Ketone	ND	LC	NC	ND	C
ESTERS					
Ethyl Acetate, Methyl Acetate	C	C	NC	NC	C
Amyl, Propyl and Butyl Acetate	C	ND	NC	LC	C
Polypropylene Glycol Acetate	ND	ND	NC	NC	C
OXIDES - ETHERS					
Ethyl Ether	C	C	C	C	C
Dioxane and Tetrahydrofuran	C	LC	NC	NC	C
Dimethylsulfoxide (DMSO)	C	NC	NC	NC	C
SOLVENTS WITH NITROGEN					
Dimethyl Formamide	LC	NC	NC	NC	LC
Diethylacetamide	C	ND	ND	NC	C
Aniline	ND	ND	ND	NC	C
Pryidine	C	C	NC	NC	C
Acetonitrile	C	C	NC	NC	C
MISCELLANEOUS					
Phenol, Aqueous, 10%	ND	LC	NC	NC	NC
Formaldehyde Solution, 30%	C	C	C	C	LC
Hydrogen Peroxide, 30%	C	ND	ND	C	C

LEGEND

C = Compatible
 LC = Limited Compatibility - Membrane Swells and Shrinks

HPLC Certified see Nylon Compatibility
 NC = Not Compatible
 ND = No Data Available
 PTFE = Teflon

PVDF = Polyvinylidene Difluoride
 CA = Cellulose Acetate
 RC = Regenerated Cellulose