

COMPATIBILITY CHART

R= Recommended. No significant change observed in flow rate or bubble point of the membrane, nor visible indication of chemical attack

L = Limited Recommended. Moderate changes in physical properties. The filter may be suitable for short term, non critical use

N = Not Recommended. The membrane is basically unstable

- = Insufficient Data. Information is not available. Trial testing is recommended

CA = cellulose acetate - NC = nitrocellulose, mixed cellulose esters - RC = regenerated cellulose - PES = polyethersulfone - NY = nylon, polyamide - PTFE / HP = polytetrafluoroethylene / hydrophilic - PVDF = polyvinylidene fluoride - PE = polyethylene - GF = glass fiber

Group of Substance & Chemical Reagents	CA	NC MCE	RC	PES	NY	PTFE/ HP	PVDF	PE	GF
ACIDS									
Acetic, 5%	L	R	R	R	R	R	R	R	R
Acetic, 10%	L	R	R	R	R	R	R	R	R
Acetic, 25%	N	R	R	R	L	R	R	R	
Acetic, Glacial	N	N	R	R	N	R	R	R	R
Boric				-	L	R		R	R
Formic 25%	L		R		N	R	-	R	
Hydrochloric 15%	L		N	R	L	R	L	R	R
Hydrochloric 25%	N	L	N	R	N	R		R	
Hydrochloric concentrated	N	N	N	L	N	R	N	L	R
Hydrofluoric 10%	N	L	L	-	N	-		R	-
Hydrofluoric 35%	N	L	L	-	N	R		R	R
Nitric 25%	N	L	N	R	N	R		R	
Nitric 6N, 38%	N	L	N	L	N	R	R	R	R
Nitric concentrated	N	N	N	N	N	R	N	N	
Phosphoric 25%	L	L	L	R	N	R	-	R	
Sulfuric 25%	N	L	L	N	N	R		R	
Sulfuric 6N, 29%	N			N	N	R		R	R
Sulfuric concentrated	N	N	N	N	N	R	N	N	N
Trichloroacetic 10%	N	L	R		N	R	R	R	
ALKALIES									
Ammonium Hydroxide 25%	N	L	L	R	R	R	L	R	L
Formalin 30%	L	R	L	R	L				
Sodium Hydroxide 3N, 12%	N	N	L	R	R	R	R	R	L
ALCOHOLS									
Amyl Alcohol	L		R	N	R	R	R	R	R
Benzyl Alcohol	L	L	L	L	L	L	L	L	L
Butyl Alcohol	L	R	R	L	R	R	R	R	R
Butyl Cellosolve	N		L	-	L	L		-	L
Ethanol 70%	L		R	L	R	R	R	R	R
Ethanol 98%	N	L	R	N	R	R	R	R	R
Ethylene glycol	L	L	R	R	R	R	R	R	R
Glycero	L		R	R	R	R	R	R	R
Isobutyl Alcohol	L	L	L	L	L	L	L	L	L
Isopropanol, n-Propanol	L	L	R	R	R	R	R	R	R
Methanol 98%	N	N	R	L	R	R	R	R	R
Methyl Cellosolve	L			-	L	L		L	L
Propylene glycol	L		R	R		R	R	R	
Phenol, Aqueous 10%			N		R	R	R	R	

Group of Substance & Chemical Reagents	CA	NC MCE	RC	PES	NY	PTFE/HP	PVDF	PE	GF
HYDROCARBONS									
Hexane	L	R	R	L	R	R	R	R	R
Xylene	L	R	R	N	R	R	R	R	R
Kerosene, Gasoline	L	R	R	R	R	R	R	R	R
Tetrakin, Decalin	N		-		R	R	R	-	
Toluene, benzene	L	R	R	N	R	R	R	R	R
HALOGENATED HYDROCARBONS									
Carbon Tetrachloride	N	N	N	N	N	N	N	N	N
Chloroform	N	R	R	N	N	R	R	R	R
Methylene Chloride	N	L	R	N	L	R	N	R	R
Monochlorobenzene	N	R	R		N	R		R	
Trichloethylene	N	R	R	N	N	R	R	R	R
KETONES									
Acetone	N	N	R	N	R	R	N	R	R
Cyclohexanone	N	N	R	N	L	R	N	R	R
Isopropylacetone			R		R	R	N	-	
Methyl Ethyl Ketone	N	N	R	N	R	R	N	R	R
Methyl Isobutyl Ketone	N		R	-	R	R	N	R	-
ESTERS									
Amyl Acetate	N			L	R	R		-	R
Amyl Propyl & Butyl Acetate	L	N				R	-	R	
Benzyl Benzoate						R	-	-	
Butyl Acetate	N		R	N					
Ethyl Acetate & Methyl Acetate	N	N	R	N	R	R	R/L	R	
Isopropyl Myristate			R			R		-	
Methyl Cellosolve Acetate	N				-	R	-	-	
Propylene Glycol Acetate					-	R	-	R	
Tricresyl Phosphate					-	R	-	-	
Isopropyl Acetate	L		R		R		R		
OXIDES - ETHERS									
Dimethylsulfoxide (DMSO)	N	N	R	N	R	R	N	R	R
Dioxane & Tetrahydrofuran	N	N	R	L	R	R	L	R	R
Ethyl Ether	L	N	R	R	R	R	R	L	-
Isopropyl Ether			R		-	R	R	R	
SOLVENTS WITH NITROGEN									
Acetonitrile	N		R	N	R	R	N	R	R
Aniline	N		R		-	R	-	-	R
Diethylacetamide	N		R	N	L	R	N	R	
Dimethyl Formamide	N		L	N	R	R	N	R	
Pyridine	N	N	R	N	R	R		R	
Triethanolamine			R		R	R	N	-	
MISCELLANEOUS									
Formaldehyde Solution 30%	L		N	R	R	R	R	R	R
Hydrogen Peroxide 30%	N	R	R	N	L	R	R	R	
Pyridine	N		R	N	R	R	R	R	R
Silicone Oil & Mineral Oil	R		R	R	R	R	R	R	R