

► Filterware/Chemical Resistance for Membranes and Housings

This chemical resistance information is intended as a general guide only. Since actual chemical resistance depends on many variables, such as temperature, pressure and length of exposure, you may want to test under your own conditions.

	Chemicals	Membranes							Housings				
		C.N.*	C.A./SFCA	GFP	NYL	aPES/PES	PTFE	PVDF	HDPE	PS	PSF	ACR	PP
Acids	Acetic acid, 25 %	S	M	M	M	S	S	S	S	M	M	M	S
	Acetic acid, 100% (glacial)	U	U	M	M	M	S	S	S	U	U	U	S
	Formic acid, 25%	S	M	S	U	S	S	S	S	U	M	M	S
	Formic acid, 100%	M	U	S	U	M	S	S	S	U	U	U	S
	Hydrochloric acid, 25%	U	U	S	U	S	S	S	S	S	M	M	S
	Hydrochloric acid, 37% (conc.)	U	U	S	U	S	S	S	S	M	U	M	S
	Nitric acid, 25%	M	M	M	U	U	S	M	S	U	M	M	S
	Nitric acid, 60%	U	U	S	U	U	S	U	M	U	U	U	M
	Phosphoric acid, 25%	S	S	—	U	—	S	S	S	M	S	M	S
	Sulfuric acid, 25%	S	M	S	U	U	S	S	S	S	S	S	S
Sulfuric acid, 98% (conc.)	U	U	M	U	U	S	U	M	U	U	U	M	
Alcohols	Amyl alcohol	S	S	S	S	U	S	S	S	M	M	M	S
	Benzyl alcohol	M	M	S	S	U	S	S	M	U	U	U	S
	Ethanol (ethyl alcohol), 70%	M	S	S	S	U/S	S	S	S	M	S	U	S
	Ethanol (ethyl alcohol), 98%	U	S	S	S	U/S	S	S	S	M	M	U	S
	Ethylene glycol	M	S	S	S	M/S	S	S	S	S	S	M	S
	Glycerol	S	S	S	S	M/S	S	S	S	S	S	M	S
	Isopropanol M	S	S	S	M/S	S	S	S	S	M	U	S	
	Methanol (methyl alcohol), 98%	U	S	S	S	M/S	S	S	S	M	M	U	S
	n-Propanol (propyl alcohol)	M	M	S	S	M/S	S	S	S	S	M	U	S
	Phenol	U	U	S	S	U	S	M	U	U	U	U	U
Propylene glycol	U	M	S	S	M	S	S	S	S	M	M	S	
Bases	Ammonium hydroxide, 25%	U	M	U	S	U	S	M	S	M	U	S	S
	Ammonium hydroxide, 1N	S	S	S	S	S	S	S	S	S	S	S	S
	Potassium hydroxide, 1N	U	U	S	S	S	S	S	S	S	M	S	S
	Sodium hydroxide, 5%	U	M	S	S	S	S	S	S	S	M	S	S
	Sodium hydroxide, 1N	U	M	S	S	U/M	S	S	S	S	S	S	S
	Sodium hydroxide, 6N	U	U	M	M	U/M	S	U	S	S	U	S	S
	Amyl acetate	U	M	S	S	U	S	M	S	U	U	U	S
Esters	Benzyl benzoate	S	S	S	S	U	S	M	M	U	U	U	M
	Butyl acetate	U	M	S	S	U	S	M	S	U	U	U	M
	Ethyl acetate, Methyl acetate	U	U	S	S	U	S	M	M	U	U	U	M
	2-Ethoxyethyl acetate	U	U	S	S	S	S	—	S	—	U	—	S
	Methyl cellosolve acetate	U	U	S	U	S	S	U	—	U	U	M	M
	Propyl acetate	U	M	S	S	U	S	M	S	U	U	U	M
Hydrocarbons (aliphatic)	Gasoline	S	S	S	S	M	S	S	M	U	U	U	M
	Hexane	S	S	S	S	U	S	S	S	U	M	M	M
	Kerosene	S	S	S	S	S	S	S	M	U	M	U	M
Hydrocarbons (aromatic)	Toluene	S	S	S	S	U/M	S	S	U	U	U	U	M
	Xylene	S	S	S	S	U	S	S	M	U	U	U	M
Hydrocarbons (halogenated)	Carbon tetrachloride	S	M	S	S	U	S	S	S	U	U	U	M
	Chloroform	S	U	S	S	U	S	S	M	U	U	U	U
	Freon	S	S	S	S	M	S	S	S	U	U	U	M
	Methylene chloride	M	U	S	S	U	S	S	M	U	U	U	M
	Monochlorobenzene	S	S	S	S	U	S	S	U	U	U	U	U
	Perchloroethylene	S	S	S	S	M	S	S	U	U	U	U	M
	1,1,1-Trichloroethane	M	U	S	S	M	S	S	M	U	U	U	U
	1,1,2,-Trichloroethane	U	U	S	S	M	S	S	M	U	U	U	U
Trichloroethylene	S	U	S	S	S/S	S	S	U	U	U	U	M	
Ketones	Acetone	U	U	S	S	U	S	U	U	U	U	U	M
	Cyclohexanone	U	U	S	S	U	S	M	M	U	U	U	M
	Methyl ethyl ketone	U	U	S	S	U	S	U	U	U	U	U	M
Miscellaneous	Acetonitrile	U	U	S	S	M	S	S	S	U	U	U	S
	Acrylamide	S	S	S	S	S	S	S	S	S	S	S	S
	Dimethylsulfoxide (DMSO)	U	U	S	S	U	S	U	S	M	U	U	S
	Dioxane	U	U	S	S	M	S	M	S	U	U	U	S
	Ethyl ether	M	M	S	S	S	S	S	M	U	U	U	M
	Formaldehyde, 30%	S	M	S	S	S	S	S	S	U	M	U	S
	Hydrogen peroxide, 30%	U	S	S	S	—	S	S	S	S	S	M	S
	Methyl cellosolve	U	U	S	S	—	S	S	—	U	U	U	S
	Pyridine	U	U	S	M	U	S	U	U	U	U	U	U
	Tetrahydrofuran	U	U	S	S	U	S	U	M	U	U	U	U

*Do not use C.N. membranes for EDTA or TRIS.

Key:	S	Satisfactory	—	No data available	GFP	Glass-fiber prefilter	PES	Polyethersulfone	PP	Polypropylene
	M	Marginal, may be satisfactory for short-term contact and/or small volume filtration. Trial testing is advised.	C.A.	Cellulose acetate	HDPE	High Density Polyethylene	PTFE	Teflon PTFE	PVDF	Polyvinylidene fluoride
	U	Unsatisfactory	C.N.	Cellulose nitrate	NYL	Nylon	PS	Polystyrene		
			SFCA	Surfactant-free cellulose acetate	aPES	Asymmetric PES	PSF	Polysulfone		
							ACR	Acrylic		