Chemical Compatibility Chart*

++ = Recommended
+ = Limited Resistance (testing before use is recommended)
- = Not Recommended
-- = Not Resistant
0 = Test

	Housing	Membrane						
Chemical	**Polypropylene PP**	**Cellulose Acetate CA**	**Glass Fiber (no binder) GFN**	**Nylon 66 NY**	**Polyethersulfone PES**	**PTFE (laminated) PTL**	**Polyvinyledene Difloride PVDF**	**Regenerated Cellulose RC**
ACIDS								
Acetic acid, 5%	++	++	++	++	++	++	++	++
Acetic acid, 10%	++	-	++	+	++	++	++	++
Acetic acid, glacial	+	-	++	-	++	++	++	++
Boric Acid	++	++	0	+	0	++	0	0
Hydrochloric, 6N	0	+	++	-	++	++	+	-
Hydrochloric, Conc.	0	-	++	-	++	++	++	-
Hydrofluoric, 10%	++	-	-	-	0	++	++	+
Hydrofluoric, 35%	0	-	-	-	0	0	++	-
Nitric Acid, 6N	0	+	+	-	-	+	0	-
Nitric Acid, Conc.	0	-	+	-	-	-	++	-
Sulfuric Acid, 6N	0	+	++	-	0	+	++	+
Sulfuric Acid, Conc.	0	-	++	-	-	-	0	-
ALCOHOLS								
Amyl Alcohol	++	++	++	++	-	++	++	++
Benzyl Alcohol	++	+	-	+	-	++	++	++
Butyl Alcohol	++	++	++	++	++	++	++	0
Butyl Cellosolve	0	+	++	++	0	++	0	0
Ethyl Alcohol <80%	0	++	++	++	++	++	++	0
Ethyl Alcohol >80%	0	++	++	++	++	++	++	0
Ethylene Glycol	++	++	++	++	++	++	++	++
Glycerine (Glycerol)	++	++	++	++	++	++	++	++
Isobutyl alcohol	0	++	-	++	0	++	++	0
Isopropanol	0	++	++	++	++	++	++	++
Methanol	0	++	++	0	++	++	++	++
Methyl Cellosolve	0	+	++	++	0	++	++	0
Propanol	++	++	++	++	0	++	++	++
BASES								
Ammonium Hydroxide, 6N	0	-	++	-	++	++	++	+
Potassium Hydroxide, 6N	0	-	0	++	0	++	++	+
Sodium Hydroxide, 6N	0	-	0	-	++	++	++	+
SOLVENTS								
Acetone	++	-	++	++	-	++	-	++
Acetonitrile	++	-	++	0	++	++	++	++
Amyl Acetate	+	+	++	++	+	++	++	++
aniline	+	-	0	++	++	++	0	++
Benezene	+	+	++	0	++	+	++	++
Bromoform	0	-	++	++	0	++	0	0
Butyl Acetate	+	+	++	++	+	++	0	++
Carbon Tetrachloride	-	+	-	++	++	+	++	++
Cellosolve	0	++	++	++	0	++	0	++
Chloroform	+	-	++	--	-	+	++	++

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Cyclohexane	++	++	++	++	0	++	0	++
Cyclohexanone	++	-	++	0	-	++	-	++
Diethyl Acetamide	0	-	++	++	0	-	0	++
Dimethyl Formamide	++	-	++	++	-	++	-	+
Mitethyl Sulfoxide (DMSO)	0	-	++	++	-	++	-	++
SOLVENTS								
Dioxane	++	-	++	++	+	++	++	++
Ethyl Ether	-	+	++	++	++	++	++	++
Ethylene Dichloride	0	+	++	++	0	++	0	0
Formaldehyde	++	+	++	++	++	++	++	0
Freon TF	0	++	++	++	++	++	++	0
Gasoline	-	++	++	++	0	++	++	++
Hexane	0	++	++	++	0	++	++	++
Isopropyl Acetate	++	-	++	++	0	++	-	++
Kerosene	0	++	++	++	0	++	++	++
Methyl Acetate	++	-	++	++	0	++	++	++
Methyl Ethyl Ketone (MEK)	0	-	++	++	-	++	--	++
Methyl Isobutyl Ketone	0	-	++	++	0	++	-	++
Methylene Chloride	-	-	++	0	-	++	++	--
Nitrobenzene	++	-	-	0	-	++	++	--
Pentane	0	++	++	++	++	+	++	--
Perchloroethylene	+	++	-	++	-	++	0	++
Pyridine	+	-	++	0	-	++	-	++
Tetrahydrofuran	+	-	+	0	-	+	-	++
Toluene	+	+	++	++	-	+	++	++
Trichloroethane	0	+	0	0	+	++	0	--
Trichlorethylene	-	++	-	0	++	+	++	++
Triethylamine	0	++	++	++	0	++	0	++
Xylene	++	++	++	0	+	+	++	++
MISCELLANEOUS								
Cottonseed Oil	++	++	++	++	0	++	0	0
Hydrogen Peroxide (33%)	++	++	++	++	0	++	++	++
Kodak KMER FTFR	0	-	-	++	0	++	0	0
Peanut Oil	0	++	++	++	0	++	0	0
Petroleum Oils	++	0	0	0	+	0	++	++
Sesame Oil	0	++	++	++	0	++	0	0
Shipley (AS-111, 340, 1350)	0	-	-	++	0	++	0	0
Silicone Oils	++	++	++	++	++	++	++	++
Turpentine	0	++	++	++	0	++	0	0
Waycoat 59	0	-	-	++	0	++	0	0

*The information on chemical compatibility only relates to short-term contact at room temperature for the normal filtration process and does not indicate long-term stability of the membrane or the housing against these chemicals. We recommend that you always confirm compatibility with the liquid you want to filter by performing a test.