

## Membrane Chemical Compatibility

Chemical	中文名	PES	PVDF	MCE	PTFE	CA	Nylon	SFCA
1,1,1 Trichloroethane	1,1,1-三氯乙烷	R	-	-	-	-	-	-
1,2 Dichloroethane	1,2-二氯乙烷	N	-	-	-	-	-	-
1N Hydrochloric acid (HCl)	1N 盐酸(Hcl)	-	R	-	-	-	-	-
3% Hydrogen peroxide	3%过氧化氢	-	R	-	-	-	-	-
30% Hydrogen peroxide	30%过氧化氢	-	R	-	-	-	-	-
3N Potassium hydroxide	3N 氢氧化钾	-	R	-	-	-	-	-
3N Sodium hydroxide	3N 氢氧化钠	-	R	-	-	-	-	-
50% Formic acid	50%甲酸	-	R	-	-	-	-	-
8M Urea	8M 尿素	-	R	-	-	-	-	-
90% Hydrogen peroxide	90%过氧化氢	-	R	-	-	-	-	-
Acetaldehyd	乙醛	N	-	-	-	-	-	-
Acetic Acid 10%	10%醋酸	R	-	N	R	N	L	N
Acetic Acid 5%	5%醋酸	-	-	R	R	R	R	R
Acetic acid, glacial	冰醋酸	R	R	N	R	N	N	N
Acetone	丙酮	N	N	N	R	N	R	N
Acetonitrile	乙腈	-	-	N	R	N	-	N
Acetonitrile (ACN)	乙腈(ACN)	-	L	-	-	-	-	-
Adhesives (not cyanoacrylates)	胶黏剂 (非氰基丙烯酸酯类)	R	-	-	-	-	-	-
Alum 5%	5%明矾	N	-	-	-	-	-	-
Amly Alcohol	戊醇	-	R	N	R	R	R	N
Ammonia - 880	880 氨水	R	-	-	-	-	-	-
Ammonium chloride - 10%	10%氯化铵	R	-	-	-	-	-	-
Ammonium hydroxide	氢氧化铵	-	R	-	-	-	-	-
Ammonium hydroxide - 10%	10%氢氧化铵	R	-	-	-	-	-	-
Ammonium Hydroxide,6N	6N 氢氧化铵	-	-	N	R	N	N	N
Potassium Hydroxide,6N	6N 氢氧化钾	-	-	N	R	N	R	N
Amyl acetate	乙酸戊酯	L	R	N	R	L	R	L
Aniline	苯胺	N	-	N	R	N	R	N
Arcton' 11(Trichlorofluoromethane)	阿克通 11 (三氯一氟甲烷)	R	-	-	-	-	-	-
Arcton' 114 (1. 1 Dichloro 1.2.2.2 Tetrafluoroethane)	阿克通 114 (1,1-二氯-1,2,2,2-四氟乙烷)	R	-	-	-	-	-	-
Arcton' 12 (Dichlorodifluoromethane)	阿克通 12 (二氯二氟甲烷)	R	-	-	-	-	-	-
Arcton' 22 (Chlorodifluoromethane)	阿克通 22 (氯二氟甲烷)	L	-	-	-	-	-	-
Arklone' (Trichlorotrifluoroethane)	阿克隆 (三氯三氟乙烷)	R	-	-	-	-	-	-
Aviation hydraulic fluid	航空液压油	L	-	-	-	-	-	-
Aviation spirit	航空燃油	R	-	-	-	-	-	-
Beer	啤酒	R	-	-	-	-	-	-
Benezene	苯	R	R	R	L	L	-	L
Benzaldehyde	苯甲醛	N	-	-	-	-	-	-
Benzoic acid	苯甲酸	R	-	-	-	-	-	-

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Benzyl alcohol	苄醇	-	R	R	R	L	L	R
Bleach	漂白剂	R	-	-	-	-	-	-
Boric acid	硼酸	-	-	R	R	R	L	R
Brake fluid (mineral type)	刹车液 (矿物型)	L	-	-	-	-	-	-
Brake fluid (polyglycol type)	刹车液 (聚乙二醇型)	N	-	-	-	-	-	-
Bromine (dry)	干溴	L	-	-	-	-	-	-
Bromine (wet)	湿溴	N	-	-	-	-	-	-
Bromoform	溴仿	-	-	R	R	N	R	N
Butane	丁烷	R	-	-	-	-	-	-
Butyl acetate	乙酸丁酯	-	-	N	R	L	R	L
Butyl Alcohol	丁醇	R	R	R	R	R	R	R
Butyl Cellosolve	丁基溶纤剂	-	-	N	R	L	R	N
Calcium hypochlorite	次氯酸钙	R	-	-	-	-	-	-
Calcium nitrate	硝酸钙	R	-	-	-	-	-	-
Carbon tetrachloride	四氯化碳	R	R	R	L	L	R	L
Cellosolve	溶纤剂	-	-	N	R	R	R	R
Chlorine (dry)	干氯	N	-	-	-	-	-	-
Chlorine (wet)	湿氯	N	-	-	-	-	-	-
Chlorobenzene	氯苯	N	-	-	-	-	-	-
Chloroform	氯仿	N	R	R	L	N	N	N
Chromic acid	铬酸	N	-	-	-	-	-	-
Citric acid	柠檬酸	R	-	-	-	-	-	-
Concentrated Hydrochloric acid	浓盐酸(HCL)	-	N	-	-	-	-	-
Cooking oil	食用油	R	-	-	-	-	-	-
Copper sulphate	硫酸铜	R	-	-	-	-	-	-
Cottonseed Oil	棉籽油	-	-	R	R	R	R	R
Creosote	木馏油	R	-	-	-	-	-	-
Cresols	甲酚	N	-	-	-	-	-	-
Cyclonhexanone	环己酮	N	N	N	R	N	-	N
Cyclohexane	环己烷	R	-	R	R	R	R	R
Cyclohexanol	环己醇	R	-	-	-	-	-	-
Detergent solutions (not phenolics)	洗涤剂溶液 (非酚类)	R	-	-	-	-	-	-
Dibutyl phthalate	邻苯二甲酸二丁酯	R	-	-	-	-	-	-
Dichlorobenzene	二氯苯	N	-	-	-	-	-	-
Dichloroethylene	二氯乙烯	L	-	-	-	-	-	-
Diesel oil	柴油	R	-	-	-	-	-	-
Diethy Acetamide	乙酰二乙胺	-	-	N	N	N	R	N
Diethylamine	二乙胺	R	-	-	-	-	-	-
Dimethyl formamide(DMF)	二甲基甲酰胺	N	N	N	R	N	R	N
Dimethyl phthalate	邻苯二甲酸二甲酯	N	-	-	-	-	-	-
Dimethyl Sulfoxide(DMSO)	二甲基亚砷 (DMSO)	-	N	N	R	N	R	N
Dimethylacetamide	二甲基乙酰胺	-	N	-	-	-	-	-

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Dimethyl sulphoxide	二甲基亚砜	N	-	-	-	-	-	-
Diethyl phthalate	邻苯二甲酸二辛酯	R	-	-	-	-	-	-
Dioxane	二恶烷	-	R	N	R	N	R	N
Edible fats and oils	食用油脂	R	-	-	-	-	-	-
Ethane	乙烷	R	-	-	-	-	-	-
Ethanol	乙醇	R	R	-	-	-	-	-
Ethers	醚类	-	R	-	-	-	-	-
Ethyl acetate	乙酸乙酯	N	R	-	-	-	-	-
Ethyl Alcohol <80%	乙醇 <80%	-	-	R	R	R	R	R
Ethyl Alcohol >80%	乙醇 >80%	-	-	L	R	R	R	L
Ethyl ether	乙醚	R	-	L	R	L	R	L
Ethylene dichloride	二氯乙烷	-	-	L	R	L	R	L
Ethylene glycol	乙二醇	R	R	L	R	R	R	L
Ethylene nitrate	乙二硝酸酯	R	-	-	-	-	-	-
Ethylene oxide	环氧乙烷	R	-	-	-	-	-	-
Ethylene sulphate	乙二硫酸酯	L	-	-	-	-	-	-
Ferric chloride	氯化铁	R	-	-	-	-	-	-
Ferric nitrate	硝酸铁	R	-	-	-	-	-	-
Ferric sulphate	硫酸铁	R	-	-	-	-	-	-
Fluorine	氟	N	-	-	-	-	-	-
Formaldehyde	甲醛	R	R	N	R	L	R	L
Formic acid	甲酸	R	-	-	-	-	-	-
Freon (TF or PCA)	氟利昂(TF 或 PCA)	-	R	-	-	-	-	-
Freon' 113 (Trichlorotrifluoroet	氟里昂 113 (三氯三氟乙烷)	R	-	-	-	-	-	-
Freon TF	氟利昂 TF	-	-	R	R	R	R	R
Fuel oil	燃料油	R	-	-	-	-	-	-
Gas (natural)	天然气	R	-	-	-	-	-	-
Gasoline	汽油	R	R	R	R	R	R	R
Glycerine(Glycerol)	甘油 (丙三醇)	-	-	R	R	R	R	R
Glycerol	甘油	R	R	-	-	-	-	-
Heptane	庚烷	R	-	-	-	-	-	-
Hexane	己烷	R	R	R	R	R	R	R
High concentration sodium hydroxide	高浓度氢氧化钠	-	R	-	-	-	-	-
Hydraulic fluid	液压油	L	-	-	-	-	-	-
Hydrochloric acid - 10%	10%盐酸	R	-	-	-	-	-	-
Hydrochloric, 6N	6N 盐酸	-	-	N	R	L	N	L
Hydrochloric, Conc.	浓盐酸	R	-	N	R	N	N	N
Hydrofluoric acid	氢氟酸	-	N	-	-	-	-	-
Hydrofluoric, 10%	10%氢氟酸	-	-	N	R	N	N	N
Hydrofluoric, 35%	35%氢氟酸	-	-	N	-	N	N	N
Hydrogen	氢	-	R	-	-	-	-	-
Hydrogen peroxide	过氧化氢	R	-	-	-	-	-	-

Chemical	中文名	PES	PVDF	MCE	PTFE	CA	Nylon	SFCA
Hydrogen Peroxide(30%)	过氧化氢 (30%)	-	-	R	R	R	R	R
HYPO (aqueous solution)	HYPO(水溶液)	-	R	-	-	-	-	-
Iodine in potassium iodide	碘化钾中的碘	L	-	-	-	-	-	-
Iso-octane	异辛烷	R	-	-	-	-	-	-
Isopropyl acetate	乙酸异丙酯	-	R	-	-	-	-	-
Kerosene	煤油	R	R	R	R	R	R	R
Ketchup	番茄酱	R	-	-	-	-	-	-
Ketones	酮类	N	-	-	-	-	-	-
Kodak KMER FTFR	柯达 KMER FTFR	-	-	N	R	N	R	N
Linseed oil	亚麻籽油	R	-	-	-	-	-	-
Isobutyl alcohol	异丁醇	-	R	R	R	R	R	R
Isopropanol	异丙醇	R	R	L	R	R	R	L
Isopropyl Acetate	醋酸异丙酯	-	-	N	R	N	R	N
Lubricating oil	润滑油	R	-	-	-	-	-	-
Magnesium sulphate	硫酸镁	R	-	-	-	-	-	-
Methanol	甲醇	R	R	N	R	R	-	N
Methy Acetate	醋酸甲酯	-	-	N	R	N	R	N
Methyl acetate	乙酸甲酯	-	N	-	-	-	-	-
Methyl Cellosolve	甲基溶纤剂	-	-	L	R	L	R	L
Methyl ethyl ketone (MEK)	甲基乙基酮	N	N	-	-	-	-	-
Methyl Ethyl Ketone(MEK)	甲基乙基酮 (MEK)	-	-	N	R	N	R	N
Methyl isobutyl ketone (MIBK)	甲基异丁酮(MIBK)	-	N	-	-	-	-	-
Methyl Isobutyl Ketone	甲基异丁基酮	-	-	N	R	N	R	N
Methylene chloride	二氯甲烷	N	N	N	R	N	-	N
Milk	牛奶	R	-	-	-	-	-	-
Mineral oil	矿物油	R	-	-	-	-	-	-
Mineral spirits	溶剂油	-	R	-	-	-	-	-
Motor oil	机油	R	-	-	-	-	-	-
Nitric acid - 10%	10%硝酸	R	-	-	-	-	-	-
Nitric Acid, 6N	6N 硝酸	-	R	R	L	L	N	L
Nitric Acid, Conc.	浓硝酸	N	N	N	N	N	N	N
Nitrobenzene	硝基苯	N	R	N	R	N	-	N
Nitrogen	氮	-	R	-	-	-	-	-
N-methyl-2-pyrrolidone	N-甲基-2-吡咯烷酮	N	-	-	-	-	-	-
Oils - petroleum	石油油	L	-	-	-	-	-	-
Oils - vegetable	植物油	R	-	-	-	-	-	-
Oils di-ester and phosphate ester	二酯油和磷酸酯油	N	-	-	-	-	-	-
Oleum	发烟硫酸	N	-	-	-	-	-	-
Oxalic acid	草酸	R	-	-	-	-	-	-
Ozone	臭氧	-	R	-	-	-	-	-
Peanut Oil	花生油	-	-	R	R	R	R	R
Pentane	戊烷	-	R	R	L	R	R	R

Chemical	中文名	PES	PVDF	MCE	PTFE	CA	Nylon	SFCA
Perchloroethylene	全氯乙烯	N	-	R	R	R	R	R
Petroleum ether	石油醚	R	R	-	-	-	-	-
Petroleum Oils	石油	-	-	R	-	-	-	-
Phenol	苯酚	N	-	-	-	-	-	-
Phenol (aqueous solution)	苯酚(水溶液)	-	R	-	-	-	-	-
Potassium hydroxide - 10%	10%氢氧化钾	R	-	-	-	-	-	-
Potassium hydroxide - 50%	50%氢氧化钾	R	-	-	-	-	-	-
Propanol	丙醇	-	-	R	R	R	R	R
Pyridine	吡啶	N	N	N	R	N	-	N
Saltwater	盐水	R	R	-	-	-	-	-
Saturated ammonium sulfate	饱和硫酸铵	-	N	-	-	-	-	-
Sesame Oil	芝麻油	-	-	R	R	R	R	R
Shipley (AS-111,340,1350)	Shipley (AS-111, 340, 1350)	-	-	N	R	N	R	N
Silicone Oils	硅油	R	R	R	R	R	R	R
Silver nitrate	硝酸银	R	-	-	-	-	-	-
Soap solution	肥皂溶液	R	-	-	-	-	-	-
Sodium carbonate (aqueous solution)	碳酸钠(水溶液)	-	R	-	-	-	-	-
Sodium chloride	氯化钠	R	-	-	-	-	-	-
Sodium chloride (aqueous solution)	氯化钠(水溶液)	-	R	-	-	-	-	-
Sodium hydroxide - 10%	10%氢氧化钠	R	-	-	-	-	-	-
Sodium hydroxide - 50%	50%氢氧化钠	R	-	-	-	-	-	-
Sodium Hydroxide, 6N	6N 氢氧化钠	-	-	N	R	N	N	N
Sodium hypochlorite	次氯酸钠	R	-	-	-	-	-	-
Steam	蒸汽	R	-	-	-	-	-	-
Sulfuric Acid, 6N	6N 硫酸	-	-	R	L	L	N	L
Sulfuric Acid, Conc.	浓硫酸	N	-	N	N	N	N	N
Sulphuric acid - 10%	10%硫酸	R	-	-	-	-	-	-
Tetrahydrofuran	四氢呋喃	N	-	N	L	N	-	N
Tetrahydrofuran (THF)	四氢呋喃(THF)	-	N	-	-	-	-	-
Toluene	甲苯	N	R	R	L	L	R	L
Transformer oil	变压器油	R	-	-	-	-	-	-
Trichlorethylene	三氯乙烯	N	R	R	L	R	-	R
Trichloroacetic acid (aqueous solution)	三氯乙酸(水溶液)	-	R	-	-	-	-	-
Trichloroethane	三氯乙烷	-	-	N	R	L	-	L
Trichlorotrifluoroethane	三氯三氟乙烷	R	-	-	-	-	-	-
Triethylamine	三乙胺	-	-	L	R	R	R	R
Turoentine	松节油	R	-	R	R	R	R	R
Varnish	清漆	R	-	-	-	-	-	-
Water	水	R	-	-	-	-	-	-
Waycoat 59	Waycoat 59	-	-	N	R	N	R	N
White spirit	白电油	R	-	-	-	-	-	-
Xylene	二甲苯	L	R	R	L	R	-	R



Chemical	中文名	PES	PVDF	MCE	PTFE	CA	Nylon	SFCA
<p>R = Resistant</p> <p>No significant change was observed in flow rate or bubble point of the membrane, nor visible indication of chemical attack.</p> <p>L = Limited Resistance</p> <p>Moderate changes in physical properties or dimensions of the membrane were observed. The filter may be suitable for short term, non-critical use.</p> <p>N = Not Resistant</p> <p>The membrane is basically unstable and is not recommended for use.</p> <p>- = Insufficient Data</p> <p>Information is not available.</p>								