

Key to the Symbols:

Recommendations are based on a 24-hour static exposure to the test fluid at room temperature.

- **Recommended:**
No change in either water flow rate or bubble point will be observed.
- ▼ **Limited resistance:**
Additional in-house testing is advised as swelling, discoloration or other minor changes may occur.
- ✘ **Not recommended:**
Significant changes in water flow rate and/or bubble point can be expected.
- ✦ **Data not available.**

Membrane Filters

CHEMICAL	Polymer / Product							
	MCE	CA	PCTE	PTFE	Sup-ported PTFE	Hydro-philic PTFE	Coated CA	
Acid	Glacial Acetic acid	✘	✘	✘	●	●	●	✘
	10% Acetic acid	●	●	●	●	●	●	●
	12 kmol/m ³ Hydrochloric acid (37%, 12N)	✘	✘	●	●	●	●	✘
	6 kmol/m ³ Hydrochloric acid (19%, 6N)	▼	✘	●	●	●	●	✘
	12 kmol/m ³ Nitric acid (53%, 12N)	✘	✘	●	●	●	▼	✘
	6 kmol/m ³ Nitric acid (26%, 6N)	▼	✘	●	●	●	●	✘
	18 kmol/m ³ Sulfuric acid (96%, 36N)	✘	✘	✘	●	●	✘	✘
	3 kmol/m ³ Sulfuric acid (16%, 6N)	▼	✘	●	●	●	●	✘
	85% Phosphoric acid	●	✘	✘	●	●	●	✘
	5% Boric acid	●	●	●	●	●	●	●
	50% Formic acid	▼	▼	●	●	●	●	▼
	35% Hydrofluoric acid	✘	✘	●	●	●	●	✘
	60% Perchloric acid	●	✘	✘	●	●	●	✘
	Alkalis	6 kmol/m ³ Sodium hydroxide (26%, 6N)	✘	✘	✘	●	●	●
6 kmol/m ³ Potassium hydroxide (20%, 6N)		✘	✘	✘	●	●	●	✘
6 kmol/m ³ Aqueous ammonia (11%, 6N)		✘	✘	✘	●	●	●	✘
Alcohol	Methyl alcohol	✘	●	●	●	●	●	●
	Ethyl alcohol	✘	●	●	●	●	●	●
	Isopropyl alcohol	▼	●	●	●	●	●	●
	Isobutyl alcohol	▼	●	●	●	●	●	●
	Butyl alcohol	●	●	●	●	●	●	●
	Glycerol	●	●	●	●	●	●	●
	Amyl alcohol	▼	●	●	●	●	●	●
	Benzyl alcohol	▼	✘	✘	●	●	●	✘
Ethylene glycol	✘	●	●	●	●	●	●	

To be continued next page

Membrane Filters (Continued)

CHEMICAL	Polymer / Product						
	MCE	CA	PCTE	PTFE	Sup-ported PTFE	Hydro-philic PTFE	Coated CA
Ethers	Ethyl ether	▼	●	●	●	▼	●
	Isopropyl ether	●	●	●	●	●	●
	Tetrahydrofuran	✗	✗	✗	●	✗	●
	Dioxane	✗	✗	✗	●	●	●
	Petroleum ether	●	●	●	●	●	●
Esters	Methyl acetate	✗	✗	✗	●	●	✗
	Butyl acetate	✗	✗	●	●	●	✗
	Amyl acetate	✗	▼	●	●	●	▼
Ketones	Acetone	✗	✗	✗	●	●	✗
	Methylethyl ketone	✗	✗	✗	●	●	✗
	Methyl isobutyl ketone	✗	✗	✗	●	●	✗
	Cyclohexanone	✗	✗	✗	●	●	✗
Hydrocarbons	Benzene	●	●	✗	●	●	●
	Toluene	●	●	✗	●	●	●
	Xylene	●	●	●	●	●	●
	Hexane	●	●	●	●	●	●
	Gasoline	●	●	●	●	▼	●
	Kerosene	●	●	●	●	●	●
Halogenated hydrocarbons	Chloroform	●	✗	✗	●	▼	✗
	Methylene chloride	✗	✗	✗	●	▼	✗
	Trichloroethylene	●	●	✗	●	●	●
	Tetrachloroethylene	●	●	●	●	●	●
	Carbon tetrachloride	●	●	✗	●	▼	●
Amines	Aniline	✗	✗	✗	●	●	✗
	Dimethyl formamide	✗	✗	✗	●	▼	✗
	Diethyl acetamide	✗	✗	✗	●	●	✗
	Triethanolamine	✗	●	✗	●	●	●
Miscellaneous	Methyl cellosolve	✗	✗	✗	●	●	✗
	Butyl cellosolve	✗	●	✗	●	●	●
	Nitrogen	●	●	●	●	●	●
	Hydrogen	●	●	●	●	●	●
	Oxygen	●	●	●	●	●	●
	30% Hydrogen peroxide	✗	●	●	●	●	●
	Saline solution	●	●	●	●	●	●
	Dimethylsulfoxide	✗	✗	✗	●	●	✗
	Nitrobenzene	✗	✗	✗	●	●	✗
	Methanol (1): Chloroform (1)	▼	✗	✗	●	●	✗
	Pyridine	✗	✗	✗	●	●	✗
	Acetonitrile	✗	✗	✗	●	●	✗
	Phenol	●	✗	✗	●	●	✗
	Freon	●	●	●	●	●	●
	37% Formaldehyde	▼	▼	●	●	●	▼
	Silicone oil	●	✗	●	●	●	✗
n-Hexane (95): Ethyl acetate (5)	✗	●	●	●	●	●	
Nitric acid (70): Distilled water (30)	✗	✗	✗	●	●	✗	
Petroleum oil	●	●	●	●	●	●	