

SUBSTANCES	MCE	PES	CA	Nylon	Hydrophilic PVDF	Hydrophobic PVDF	Hydrophilic PTFE	Hydrophobic PTFE
<b>Acids</b>								
Acetic acid	●	×	●	×	●	●	●	●
Hydrochloric acid	●	●	×	×	●	●	●	●
Hydrochloric acid (6N)	×	●	×	×	-	●	●	●
Nitric acid	●	-	×	×	●	●	●	●
Nitric acid (6N)	×	-	×	×	●	●	●	●
Phosphoric acid	●	-	●	×	-	●	●	●
Sulfuric acid	●	×	●	×	-	●	●	●
Hydrofluoric acid	×	-	-	×	×	●	●	●
<b>Bases</b>								
Ammonium hydroxide (1N)	●	●	●	●	▲	▲	-	-
Ammonium hydroxide (3N)	×	●	-	●	-	×	-	-
Potassium hydroxide (3N)	×	●	×	●	●	▲	●	●
Sodium hydroxide (3N)	×	●	×	●	×	▲	●	●
Sodium hydroxide (6N)	×	●	×	●	×	×	●	●
<b>Alcohols</b>								
Amyl alcohol	▲	●	●	●	●	●	●	●
Benzyl alcohol (100%)	×	●	▲	●	●	●	●	●
Butyl alcohol	▲	●	●	●	●	●	●	●
Isopropyl alcohol	▲	●	▲	●	●	●	●	●
Methanol	▲	●	●	▲	-	●	●	●
<b>Aromatic Hydrocarbons</b>								
Benzene	●	-	●	▲	●	▲	●	●
Toluene	●	×	-	×	●	▲	▲	●
Xylene	●	×	-	▲	●	▲	▲	●
<b>Ethers</b>								
Ethyl ether	●	●	●	×	●	●	●	●
Isopropyl ether	●	-	●	-	-	●	▲	●
Dioxane	×	-	×	●	●	●	▲	●
Tetrahydrofuran	×	×	×	×	▲	▲	▲	●
<b>Esters</b>								
Amyl acetate	×	-	×	▲	●	●	▲	●
Butyl acetate	×	-	×	▲	-	●	▲	●
Cellosolve Acetate	×	●	-	-	-	●	-	-
Ethyl acetate	×	▲	-	▲	●	●	▲	●
Methyl acetate	×	×	-	▲	×	●	▲	●
Isopropyl Acetate	×	●	-	-	●	●	-	-

SUBSTANCES	MCE	PES	CA	Nylon	Hydrophilic PVDF	Hydrophobic PVDF	Hydrophilic PTFE	Hydrophobic PTFE
<b>Halogenated Hydrocarbons</b>								
Carbon tetrachloride	×	▲	▲	▲	●	▲	●	●
Chloroform	●	×	×	▲	●	▲	▲	●
Ethylene dichloride	●	×	-	▲	-	▲	-	-
Freon TF	●	●	●	●	●	●	▲	●
Freon TMC	●	×	-	▲	-	▲	▲	●
Methylene Dichloride	×	×	×	×	-	▲	-	-
Perchloroethylene	●	▲	-	-	-	▲	-	-
Trichloroethylene	●	▲	●	▲	●	×	▲	●
<b>Glycols</b>								
Ethylene glycol	-	▲	●	●	●	●	●	●
Glycerol	●	▲	●	●	●	●	●	●
Propylene glycol	-	▲	▲	●	-	●	●	●
<b>Ketones</b>								
Acetone	×	×	×	●	×	▲	●	●
Cyclohexanone	×	×	×	-	×	▲	●	●
Methylethylketone	-	-	▲	▲	×	▲	▲	●
Methyl isobutyl ketone	-	×	-	▲	×	▲	▲	●
<b>Miscellaneous</b>								
Aniline	-	×	×	▲	-	●	●	●
Dimethylformamide	-	×	×	●	×	×	●	●
Formaldehyde (37%)	-	●	●	●	●	●	●	●
Gasoline	●	●	●	▲	●	▲	▲	●
Hexane	●	▲	●	-	●	▲	●	●
Kerosene	-	●	●	-	●	●	▲	●
Phenol	●	×	×	●	●	●	●	●
Pyridine	×	×	×	▲	×	●	▲	●
Turpentine oil	-	●	-	-	-	●	-	-
Water	●	●	●	●	●	×	●	×
Acetonitrile	×	●	×	▲	▲	●	●	●
Nickel sulfate solution	-	-	-	●	-	●	-	-

● Recommended    ▲ Limited recommendation    x Not recommended    - No

**MCE** = Mixed Cellulose Ester, **PES** = Polyethersulfone, **CA** = Cellulose Acetate, **Nylon** = Polyamide, **PVDF** = Polyvinylidene Fluoride, **PTFE** = Polytetrafluoroethylene

※ This table is intended to serve as a guide only. Chemical compatibility is affected by many variables including temperature, pressure, concentration and chemical purity.