

| Chemical | Nylon | PTFE | PVDF | PES | CA | RC | CN | PP |
|----------------------------------|-------|------|------|-----|----|----|----|----|
| ACIDS | | | | | | | | |
| Acetic acid (glacial) | + | ++ | ++ | ++ | - | ++ | - | ++ |
| Acetic acid (25%) | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| Hydrochloric acid (concentrated) | - | ++ | ++ | ++ | - | - | - | ++ |
| Hydrochloric acid (25%) | - | ++ | ++ | ++ | - | - | - | ++ |
| Sulfuric acid (concentrated) | - | ++ | - | - | - | - | - | ++ |
| Sulfuric acid (25%) | - | ++ | ++ | ++ | - | + | - | ++ |
| Nitric acid (concentrated) | - | ++ | ++ | - | - | - | - | ++ |
| Nitric acid (25%) | - | ++ | ++ | ++ | - | - | - | ++ |
| Phosphoric acid (25%) | - | ++ | 0 | 0 | ++ | + | ++ | ++ |
| Formic acid (25%) | - | ++ | 0 | 0 | + | ++ | + | ++ |
| Trichloroacetic acid (10%) | - | ++ | 0 | 0 | ++ | ++ | ++ | ++ |
| ALKALIES | | | | | | | | |
| Ammonium hydroxide (25%) | ++ | ++ | + | ++ | ++ | + | ++ | ++ |
| Sodium hydroxide (3N) | ++ | ++ | ++ | ++ | - | + | - | ++ |
| ALCOHOLES | | | | | | | | |
| Methanol (98%) | ++ | ++ | ++ | ++ | ++ | ++ | + | ++ |
| Ethanol (98%) | ++ | ++ | ++ | ++ | ++ | ++ | + | ++ |
| Ethanol (70%) | + | ++ | ++ | ++ | + | ++ | + | ++ |
| Isopropanol, n-Propanol | ++ | ++ | ++ | ++ | ++ | ++ | + | ++ |
| Amyl alcohol, Butanol | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| Benzyl alcohol | ++ | ++ | ++ | 0 | + | ++ | + | ++ |
| Ethylene glycol | ++ | ++ | ++ | ++ | ++ | ++ | + | ++ |
| Propylene glycol | ++ | ++ | ++ | ++ | + | ++ | - | ++ |
| Glycerol | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| HYDROCARBONS | | | | | | | | |
| Hexane, Xylene | ++ | ++ | ++ | - | ++ | ++ | ++ | - |
| Toluene, Benzene | ++ | ++ | ++ | - | ++ | ++ | ++ | - |
| Kerosene, Gasoline | ++ | ++ | ++ | + | ++ | ++ | ++ | + |
| Tetraclin, Decalin | 0 | ++ | ++ | 0 | ++ | ++ | ++ | 0 |
| HALOGENATED HYDROCARBONS | | | | | | | | |
| Methylene Chloride | + | ++ | ++ | - | - | ++ | ++ | + |
| Chloroform | ++ | ++ | ++ | - | - | ++ | ++ | + |
| Trichloroethylene | ++ | ++ | ++ | - | ++ | ++ | ++ | + |
| Monochlorobenzene, Freon | ++ | ++ | ++ | + | ++ | ++ | ++ | ++ |
| Carbontetrachloride | ++ | ++ | ++ | - | + | ++ | ++ | + |

| Chemical | Nylon | PTFE | PVDF | PES | CA | RC | CN | PP |
|-------------------------------|-------|------|------|-----|----|----|----|----|
| KETONES | | | | | | | | |
| Acetone, Cyclohexanone | ++ | ++ | - | - | - | ++ | - | ++ |
| Methyl ethyl ketone | ++ | ++ | + | - | + | ++ | + | + |
| Isopropylacetone | ++ | ++ | - | - | ++ | ++ | + | 0 |
| Methyl isobutyl ketone | 0 | ++ | + | - | 0 | ++ | 0 | + |
| ESTERS | | | | | | | | |
| Ethyl acetate, Methyl acetate | ++ | ++ | ++ | - | + | ++ | - | + |
| Amyl, Propyl & Butyl acetate | ++ | ++ | 0 | - | - | ++ | - | + |
| Propylene glycol acetate | 0 | ++ | 0 | - | + | ++ | - | ++ |
| 2-Ethoxyethyl acetate | 0 | ++ | 0 | - | - | ++ | - | 0 |
| Methyl cellosolve acetate | 0 | ++ | 0 | - | ++ | ++ | - | ++ |
| Benzyl benzoate | ++ | ++ | 0 | - | ++ | ++ | ++ | 0 |
| Isopropyl myristate | ++ | ++ | 0 | - | ++ | ++ | + | 0 |
| Tricresyl phosphate | 0 | ++ | 0 | - | ++ | ++ | + | 0 |
| OXYDE-ESTHERS | | | | | | | | |
| Ethyl ether | ++ | ++ | ++ | ++ | ++ | ++ | - | + |
| Dioxane & Tetrahydrofuran | ++ | ++ | + | - | - | ++ | - | ++ |
| Dimethylsulfoxide (DMSO) | ++ | ++ | - | - | - | ++ | - | ++ |
| Isopropyl ether | 0 | ++ | ++ | ++ | ++ | ++ | 0 | ++ |
| SOLVENTS WITH NITROGEN | | | | | | | | |
| Dimethyl formamide | + | ++ | - | - | - | + | - | ++ |
| Diethylacetamid | ++ | ++ | 0 | 0 | - | ++ | - | 0 |
| Triethanolamine | ++ | ++ | 0 | 0 | ++ | ++ | ++ | 0 |
| Aniline | 0 | ++ | 0 | 0 | - | ++ | + | 0 |
| Pyridine | ++ | ++ | ++ | - | - | ++ | - | + |
| Acetonitrile | ++ | ++ | ++ | - | - | ++ | 0 | + |
| MISCELLANEOUS | | | | | | | | |
| Phenol, aqueous (10%) | 0 | ++ | + | - | - | - | - | ++ |
| Formaldehyde solution (30%) | ++ | ++ | ++ | ++ | ++ | + | ++ | ++ |
| Hydrogene peroxide (30%) | ++ | ++ | 0 | 0 | ++ | ++ | ++ | 0 |
| Silicone oil & Mineral oil | 0 | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| Pyridine | ++ | ++ | ++ | - | - | ++ | - | + |

LEGEND

++ = Compatible
 + = Limited Compatible (Membrane shrinks and swells)
 - = Not Compatible
 0 = No Data Available

PTFE = Polytetrafluoroethylene (Teflon®)
 PVDF = Polyvinylidene Difluoride
 PES = Polyethersulfone
 CA = Cellulose Acetate
 RC = Regenerated Cellulose
 CN = Cellulose Nitrate
 PP = Polypropylene