



CHEMICAL RESISTANCE OF TRACK-ETCHED MEMBRANES

R = Recommended

LR = Limited Resistance

T = to be Tested

NR = Not Recommended

CHEMICAL RESISTANCE OF POLYCARBONATE, POLYESTER & POLYIMIDE MEMBRANES

| | | polycarbonate | polyester | polyimide |
|-------|-----------------------|---------------|-----------|-----------|
| ACIDS | Acetic Acid, 5% | R | R | R |
| | Acetic Acid, 10% | R | R | R |
| | Acetic Acid, Glacial | LR | R | R |
| | Boric Acid | R | R | R |
| | Hydrochloric, 6N | R | LR | T |
| | Hydrochloric, Conc. | R | NR | T |
| | Hydrofluoric, 10% | R | R | T |
| | Hydrofluoric, 35% | R | R | T |
| | Nitric Acid, 6N | R | R | T |
| | Nitric Acid, Conc. | R | NR | T |
| | Sulphuric Acid, 6N | R | R | T |
| | Sulphuric Acid, Conc. | NR | NR | T |

| | | polycarbonate | polyester | polyimide |
|----------|----------------------|---------------|-----------|-----------|
| ALCOHOLS | Amyl Alcohol | R | R | R |
| | Benzyl Alcohol | LR | R | R |
| | Butyl Alcohol | R | R | R |
| | Butyl Cellosolve | LR | R | R |
| | Ethyl Alcohol <80% | R | R | R |
| | Ethyl Alcohol >80% | R | R | R |
| | Ethylene Glycol | R | R | R |
| | Glycerine (Glycerol) | R | R | R |
| | Isobutyl Alcohol | R | R | R |
| | Isopropanol | R | R | R |
| | Methanol | R | R | R |
| | Propanol | R | R | R |

| | | polycarbonate | polyester | polyimide |
|-------|-------------------------|---------------|-----------|-----------|
| BASES | Ammonium Hydroxide, 6N | NR | LR | NR |
| | Potassium Hydroxide, 6N | NR | NR | NR |
| | Sodium Hydroxide, 6N | NR | LR | NR |

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CHEMICAL RESISTANCE OF TRACK-ETCHED MEMBRANES

| SOLVENTS | polycarbonate | polyester | polyimide |
|---------------------------|---------------|-----------|-----------|
| Acetone | LR | R | R |
| Acetonitrile | LR | R | R |
| Amyl Acetate | R | R | R |
| Aniline | NR | R | R |
| Benzene | LR | R | R |
| Bromoform | NR | R | R |
| Butyl Acetate | R | R | R |
| Carbon Tetrachloride | LR | R | R |
| Chloroform | NR | R | R |
| Cyclohexane | R | R | R |
| Cyclohexanone | LR | R | R |
| Diethyl Acetamide | LR | R | R |
| Dimethyl Formamide | NR | R | R |
| Dimethyl Sulfoxide (DMSO) | NR | R | R |
| Dioxane | NR | R | R |
| Ethyl Ether | R | R | R |
| Ethylene Dichloride | NR | R | R |
| Formaldehyde | R | R | R |
| Hexane | R | R | R |
| Isopropyl Acetate | R | R | R |
| Methyl Acetate | NR | R | R |
| Methyl Ethyl Ketone | LR | R | R |
| Methyl Isobutyl Ketone | LR | T | R |
| Methylene Chloride | NR | R | R |
| Nitrobenzene | NR | R | R |
| Pentane | R | R | R |
| Perchloroethylene | R | T | R |
| Pyridine | NR | R | R |
| Tetrahydrofuran | NR | R | R |
| Toluene | LR | R | R |
| Trichloroethane | NR | T | R |
| Trichlorethylene | NR | R | R |
| Triethylamine | LR | R | R |
| Xylene | NR | R | R |

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