

NON METALLIC ENCLOSURES CHEMICAL RESISTANCE CHART

| Chemical Environment | Polyamide | Polycarbonate | Polyester |
|------------------------|-----------|---------------|-----------|
| Acetic Acid 10% | R | R | R |
| Acetic Acid 50% | L | L | L |
| Acetone | R | U | U |
| Aluminum Chloride | L | R | R |
| Aluminum Sulphate | L | R | R |
| Ammonia | U | U | L |
| Ammonium Hydroxide 10% | U | U | U |
| Aniline | U | U | U |
| Amyl Acetate | - | U | L |
| Amyl Alcohol | - | L | L |
| Antifreeze | - | L | R |
| Aqua Regia | - | L | U |
| Benzene | R | U | L |
| Benzolc Acid | L | U | L |
| Boric Acid | L | U | L |
| Brake Fluid | - | L | L |
| Bromine | - | U | U |
| Butyl Acetate | - | U | L |
| Butyl Alcohol | R | R | R |
| Butyl Ether | - | U | L |
| Butilic Acid | L | U | L |
| Calcium Chloride | R | R | R |
| Calcium Hydroxide | U | - | L |
| Calcium Nitrate | L | R | R |
| Carbon Dioxide | L | - | R |
| Carbon Disulphide | L | - | R |
| Carbon Monoxide | L | - | R |
| Carbon Tetrachloride | R | U | L |
| Chlorine | L | L | L |
| Chlorobenzene | R | U | U |
| Chloroform | R | U | U |
| Chromic Acid 10% | U | R | L |
| Citric Acid 5% | R | R | R |
| Clorox | - | R | L |
| Copper Chloride | L | R | - |
| Copper Sulphate | L | R | R |
| Cresol | U | U | U |
| Crude Oils | L | - | L |
| Diesel Fuels | - | R | R |
| Dimethyl Sulfoxide | U | U | - |
| Dimenthyformamine | U | U | L |
| Dioxane | - | U | L |
| Ethyl Acetate | R | U | L |
| Ethyl Alcohol | R | L | R |
| Ethyl Chloride | R | U | L |
| Ethyl Dichloride | R | U | U |
| Ethyl Ether | R | U | U |
| Ethylene Glycol | L | R | R |
| Ethylene Oxide | - | R | R |
| Ferric Chloride | L | R | R |
| Formaldahyde 37% | L | R | R |
| Formic Acid 10% | R | R | L |
| Freon 113 | - | L | R |
| Freon 22 | - | U | R |
| Freon TF | L | L | L |
| Gasoline | R | L | R |
| Helium | U | - | R |
| Heptane | R | R | R |
| Hexane | - | L | R |
| Hydraulic Fluid | R | L | R |

| Chemical Environment | Polyamide | Polycarbonate | Polyester |
|----------------------------|-----------|---------------|-----------|
| Hydrazine | U | U | - |
| Hydrobromic Acid | L | - | L |
| Hydrochoric Acid 10% | L | L | L |
| Hydrofloric Acid 10% | L | R | L |
| Hydrogen Peroxide 30% | - | R | R |
| HydrogenSulfide | L | R | R |
| Isopropyl Alcohol | R | R | R |
| Jet Aircraft Fuels | R | L | R |
| Kerosene | R | R | R |
| Lacquers | - | R | L |
| Lactic Acid 10% | L | R | R |
| Magneseum Chloride | L | R | R |
| Methyl Alcohol | R | L | L |
| Methyl Ethyl Ketone | R | U | L |
| Methylene Chloride | R | U | U |
| Mineral Oils | L | R | R |
| Naphtha | - | R | R |
| Nitric Acid 10% | L | R | L |
| Nitrobenzene | L | U | L |
| Oleic Acid | L | R | R |
| Oleum | U | - | U |
| Oxalic Acid 10% | L | R | R |
| Oxygen | - | U | L |
| Ozone | - | U | L |
| Perchloroethylene | R | - | U |
| Petroleum Ether | - | R | R |
| Phenal | L | U | U |
| Phosphoric Acid 25% | L | L | L |
| Phthalic Acid | L | - | R |
| Potassium Chloride | - | R | R |
| Potassium Dichromate | U | - | L |
| Potassium Hydroxide 10% | L | U | U |
| Potassium Nitrate | L | R | R |
| Potassium Permanganate 10% | U | R | L |
| Pyridine | L | U | - |
| Sodium Bicarbonate | U | R | R |
| Sodium Bisulphate 10% | - | R | R |
| Sodium Carbonate 10% | U | R | R |
| Sodium Chloride 10% | L | R | R |
| Sodium Hydroxide 10% | R | U | L |
| Sodium Hypochlorite 10% | U | R | L |
| Sodium Nitrate | L | U | R |
| Sodium Sulphate | L | R | R |
| Sulphur Dioxide | L | L | R |
| Sulphuric Acid | L | L | L |
| Tartaric Acid | L | R | R |
| Tetrahydrofuran | - | U | U |
| Toluene | L | U | L |
| Trichloroacetic Acid | - | R | U |
| Trichloroethane | - | U | L |
| Trichloroethylene | L | - | L |
| Trisodium Phosphate | U | L | - |
| Turpentine | - | L | R |
| Water | R | R | R |
| Xylene | - | U | L |
| Zinc Chloride | L | R | R |
| Zinc Sulphate | L | R | R |

R = Recommended L = Limited U = Unsatisfactory