



Chemical Resistance Reference for Clear & Braided Vinyl Tubing

| Chemical | Resistance Rating Scale | Chemical | Resistance Rating Scale | Chemical | Resistance Rating Scale |
|----------------------------|-------------------------|----------------------------------|-------------------------|-------------------------------------|-------------------------|
| Acetic Acid, 30% | Excellent | Ethane | Not recommended | Naphtha (Lighter Fluid) | Not recommended |
| Acetic Acid, Glacial | Excellent | Ethyl Alcohol (Ethanol) | Good | Natural Gas | Not recommended |
| Acetone | Excellent | Ethyl Chloride | Excellent | Nitric Acid (Dilute) 10% | Not recommended |
| Acetylene | Not recommended | Ethyl Ether | Excellent | Oleic Acid | Good |
| Aluminum Chloride (aq) | Not recommended | Ethylene Chloride | Excellent | Oleum Spirits | Excellent |
| Aluminum Nitrate (aq) | Conditional | Ethylene Glycol5 (Anti-Freeze) | Not recommended | Perchloric Acid | Good |
| Ammonia Anhydrous | Not recommended | Ethylene Oxide | Good | Perchloroethylene | Good |
| Ammonia Gas (cold) | Good | Ferric Chloride (aq) | Not recommended | Phenol (Carbolic Acid) | Excellent |
| Ammonium Chloride (aq) 40% | Not recommended | Ferric Nitrate (aq) | Not recommended | Picric Acid | Excellent |
| Ammonium Sulfate (aq) | Not recommended | Ferric Sulfate (aq) | Not recommended | Potassium Chloride (aq) | Not recommended |
| Amyl Alcohol | Not recommended | Fluorine (Liquid) | Excellent | Potassium Cyanide (aq) | Not recommended |
| Aqua Regia | Good | Formaldehyde (RT) | Not recommended | Potassium Hydroxide (aq) | Not recommended |
| Arsenic Acid | Not recommended | Formic Acid | Not recommended | Producer Gas | Not recommended |
| Asphalt | Not recommended | Freon 11 | Not recommended | Propane | Not recommended |
| Barium Chloride (aq) | Not recommended | Freon 12 | Not recommended | Propyl Alcohol (Propanol) | Not recommended |
| Beer | Not recommended | Freon 22 | Not recommended | Propylene | Conditional |
| Beet Sugar Liquors | Not recommended | Fuel Oil (Bunker 'C') | Not recommended | Propylene Glycol (Anti-Freeze) | Good |
| Benzine | Good | Gasoline (100 Octane, High Test) | Good | Salt Water | Not recommended |
| Bleach Solutions | Not recommended | Glue | Good | Silicone Oils | Not recommended |
| Borax | Not recommended | Glycerin (Glycerol) | Not recommended | Silver Nitrate | Not recommended |
| Boric Acid | Not recommended | Hexane | Conditional | Soap Solutions | Not recommended |
| Brine | Good | Hydraulic Oil | Not recommended | Sodium Chloride (aq) | Not recommended |
| Bromine Water | Good | Hydrochloric Acid (cold) 37% | Conditional | Sodium Peroxide (aq) | Conditional |
| Butane | Good | Hydrogen Gas | Not recommended | Sodium Sulfate (aq) | Not recommended |
| Butyl Alcohol (Butanol) | Good | Isooctane | Not recommended | Soy Bean Oil | Not recommended |
| Butylene | Not recommended | Isopropyl Acetate | Excellent | Stoddard Solvent | Good |
| Calcium Chloride (aq) | Good | Isopropyl Ether | Conditional | Styrene (Monomer) | Excellent |
| Calcium Hydroxide (aq) | Conditional | Kerosene | Conditional | Sulfuric Acid (20% Oleum) | Excellent |
| Calcium Nitrate (aq) | Not recommended | Lacquer Solvents | Good | Sulfuric Acid (Conc) | Excellent |
| Cane Sugar Liquors | Not recommended | Lacquers | Excellent | Sulfuric Acid (Dilute Battery Acid) | Not recommended |
| Carbolic Acid | Good | Lard | Not recommended | Sulfurous Acid | Not recommended |
| Carbon Dioxide | Not recommended | Lead Acetate (aq) | Not recommended | Tannic Acid | Not recommended |
| Carbon Monoxide | Not recommended | Linseed Oil | Not recommended | Tetrachlorethylene | Excellent |
| Carbonic Acid | Not recommended | Lubricating Oils | Conditional | Toluene (Toluol) | Excellent |
| Castor Oil | Not recommended | Magnesium Chloride (aq) | Not recommended | Transformer Oil | Conditional |
| Chlorine (dry) | Excellent | Magnesium Hydroxide (aq) | Not recommended | Trichloroethane | Good |
| Chloroform | Excellent | Mercury | Not recommended | Trichloroethylene | Excellent |
| Citric Acid | Conditional | Methane | Conditional | Turbine Oil | Not recommended |
| Coconut Oil | Not recommended | Methyl Acetate | Excellent | Turpentine | Excellent |
| Cod Liver Oil | Not recommended | Methyl Alcohol (Methanol) | Not recommended | Varnish | Excellent |
| Copper Chloride (aq) | Not recommended | Methyl Butyl Ketone | Not recommended | Vinegar | Not recommended |
| Copper Cyanide (aq) | Not recommended | Methyl Chloride | Excellent | Vinyl Chloride | Excellent |
| Corn Oil | Conditional | Methyl Ethyl Ketone | Excellent | Water | Not recommended |
| Cotton Seed Oil | Conditional | Methyl Isobutyl Ketone | Excellent | Whiskey, Wines | Not recommended |
| Creosol (Methyl Phenol) | Excellent | Methylene Chloride | Excellent | Xylene | Excellent |
| Cyclohexane | Excellent | Milk | Not recommended | Zinc Chloride (aq) | Not recommended |
| Detergent Solution | Not recommended | Mineral Oil | Not recommended | | |
| Diesel Oil | Not recommended | Motor Oil 20W, 10W40 | Conditional | | |

Caution: We have compiled this information of the various resins as a guide for users of clear and braided vinyl tubing for chemical service. It may be considered as a basis for recommendation, but WE MAKE NO WARRANTY AS TO THE FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ANY MATERIALS PURCHASED. Materials should be tested under actual service conditions to determine their suitability for a particular purpose.