

Chemical Resistance

Chemcast Cast Acrylic

| CHEMICAL | CODE | CHEMICAL | CODE |
|-----------------------|------|------------------------|------|
| Acetic Acid (10%) | LR | Hydrogen Peroxide (3%) | R |
| Acetic Acid (glacial) | N | Isopropyl Alcohol | LR |
| Acetone | N | Kerosene | R |
| Ammonium Chloride | R | Lacquer Thinner | N |
| Ammonium Hydroxide | R | Methyl Alcohol (30%) | LR |
| Benzene | N | Methyl Alcohol (100%) | N |
| Calcium Chloride | R | Methyl Ethyl Ketone | N |
| Carbon Tetrachloride | N | Methylene Chloride | N |
| Chloroform | LR | Nitric Acid (10%) | R |
| Chromic Acid (10%) | N | Nitric Acid (100%) | N |
| Chromic Acid (conc.) | N | Phenol (5%) | N |
| Diethyl Ether | LR | Sodium Chloride | R |
| IOctI Phthalate | LR | Sodium Hydroxide (10%) | R |
| Ethyl Alcohol (30%) | N | Sodium Hypochlorite | R |
| Ethyl Alcohol (95%) | N | Sulfuric Acid (3%) | N |
| Ethylene Dichloride | N | Sulfuric Acid (conc.) | N |
| Ethylene Glycol | R | Toluene | N |
| Gasoline | LR | Trichloroethylene | N |
| Glycerin | R | Turpentine | R |
| Hexane | R | Water (distilled) | R |
| Hydrochloric Acid | R | Xylene | N |

The code is used to describe chemical resistance as follows:

R = RESISTANT

Acrylic cast can withstand this substance for long periods and at temperatures up to 120°F (49°C).

LR = LIMITED RESISTANCE

Acrylic only resists the action of this substance for short periods at room temperature.

N = NOT RESISTANT

Acrylic is not resistant to this substance. It swells, attacks, dissolves or damages in some manner.

These values are typical and should not be taken as specification.



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