

Resistance to Chemicals

Venture Lighting's Vapor-tight LED Fixture's polycarbonate material

6 days/23°C **6 days/50°C**

| | | |
|--|-----------|-----------|
| Acetic acid, 10 % in water | R | R |
| Acetone | swells | |
| Ammonia, 0.1 % in water | N | |
| Ammonium nitrate, 10 % in water/neutral | R | N |
| Benzene | swells | |
| Benzine (free from aromatic hydrocarbons) | R | R |
| Butyl acetate | N | |
| Carbon tetrachloride | swells | |
| Chloroform | dissolves | |
| Citric acid, 10 % in water | R | |
| Dibutyl phthalate | N | |
| Diethyl ether | N | |
| Dimethyl formamide | dissolves | |
| Diocetyl phthalate | N | |
| Dioxane | dissolves | |
| Ethanol (pure) | R | R |
| Ethyl acetate | swells | |
| Ethylamine | N | |
| Ethylene chloride | swells | |
| Ethylene glycol, 1:1 with water | R | R |
| Glycerin | reacts | |
| Hexane | R | R |
| Hydrochloric acid, 10% in water | R | R |
| Hydrogen peroxide, 30 % in water | R | |
| Iron(III) chloride, saturated/aqueous solution | R | R |
| Isooctane (2,2,4Ntrimethyl pentane), pure | R | R (40 °C) |
| Isopropanol (pure) | R | |
| Methanol | N | |
| Methyl ethyl ketone | swells | |
| Methylamine | reacts | |
| Methylene chloride | dissolves | |
| Nitric acid, 10 % in water | R | |
| n-propanol | N (30 °C) | |
| Ozone, 1 % in air | N | |
| Paraffin, paraffin oil, pure/free from aromatic hydrocarbons | R | R |
| Phosphoric acid, 1 % in water | R | N |
| Potassium hydroxide, 1 % in water | N | |
| Propane | R | R |
| Silicone oil | R | R |
| Sodium carbonate (soda), 10 % in water | R | N (70 °C) |
| Sodium chloride, saturated/aqueous solution | R | R |
| Sodium hydroxide (caustic soda), 1 % in water | N | |
| Sodium nitrate, 10 % in water | R | |
| Styrene | N | |
| Sulfuric acid, 10 % in water | R | R |
| Tetrachloroethane | swells | |
| Tetrachloroethylene | N | |
| Trichloroethylene | swells | |
| Tricresyl phosphate | N | |
| Triethylene glycol | R | R |
| Xylene | swells | |

"R" = resistant

"N" = non resistant

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