

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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