

**CHEMICAL RESISTANCE OF LIGHT FITTING BODIES MADE OF THERMOPLASTIC MATERIALS**

Environment	Maximum concentration	Polycarbonate/PC			Acrylate/AC (SAN, PMMA)			ABS			Aluminium/Al			Polyamide (PA6/66)			INOX AISI 304		
		Resistance			Resistance			Resistance			Resistance			Resistance			Resistance		
		yes	partially	no	yes	partially	no	yes	partially	no	yes	partially	no	yes	partially	no	yes	partially	no
Aceton (ketones)		●		●		●		●		●		●		●		●		●	
Aniline			●	●			●			●			●			●			●
Ammonia	5%			●		●		●			●		●			●			●
Benzaldehyde				●			●							●					●
Benzene				●			●							●					●
Diethylether (ethers)				●		●					●		●						●
Potassium nitrate	40%	●		●		●		●			●		●			●			●
Ethanol (alcohols)	50%	●		●		●			●			●		●					●
Ethylacetate (esters)				●			●							●					●
Ethyl alcohol		●		●		●		●			●		●			●			●
Phenol				●			●				●			●					●
Glycerine			●	●		●					●		●			●			●
Heptane				●		●					●		●			●			●
Ammonium hydroxide	25%			●		●			●			●			●				●
Sodium hydroxide - base	60%			●		●		●			●			●			●		●
Sodium chloride - salt solution	15%	●		●		●		●			●		●			●			●
Sulphur chloride and Calcium chloride		●		●		●		●			●		●			●			●
Carbon tetrachloride and Chloric ether				●			●					●				●			●
Iron dichloride		●		●		●		●			●		●			●			●
Arsenic acid and Oleic acid		●		●		●		●			●		●			●			●
Citric acid	20%	●		●		●		●			●		●			●			●
Nitric acid	20%		●	●		●			●			●			●				●
Nitric acid	50%			●			●							●					●
Phosphoric acid	30%		●	●		●		●			●		●			●			●
Hydrochlorid acid	5%	●		●		●		●			●			●					●
Hydrochlorid acid	35%			●			●					●			●				●
Chromic acid	40%		●	●		●		●			●		●			●			●
Formic acid	30%			●		●		●			●			●			●		●
Acetic acid	10%	●		●		●		●			●		●			●			●
Sulphuric acid	30%	●		●		●		●			●			●					●
Methanol				●			●					●		●					●
Fuel oil			●	●		●		●			●		●			●			●
Mineral oil			●	●		●		●			●		●			●			●
Vegetable oil			●	●		●		●			●		●			●			●
Rape oil			●	●		●		●			●		●			●			●
Lamp oil			●	●		●		●			●		●			●			●
Hydrogen peroxide	30%	●		●		●		●			●			●					●
Ammonium sulphate	15%	●		●		●		●			●		●			●			●
Toluene				●			●					●		●					●
Turpentine oil				●			●					●		●					●
Trichlorethylene				●			●					●		●					●
Sodium carbonate	20%	●		●		●		●			●		●			●			●
Aliphatic hydrocarbons		●		●		●		●			●		●			●			●
Aromatic hydrocarbons				●			●							●					●
Alkali				●			●							●					●