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				●	●			●			●						●		