

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				●															●