

CHEMICAL RESISTANCE

Agent	LD-PE		HD-PE		PP		PS	
	+20°C	+60°C	+20°C	+60°C	+20°C	+60°C	+20°C	+60°C
Acetaldehyde	G	N	G	L	G	N	N	N
Acetic acid, 5%	E	E	E	E	E	E	E	G
Acetic acid, 50%	E	E	E	E	E	E	G	G
Acetone	E	G	E	E	E	G	N	N
Allyl alcohol	E	E	E	E	E	E	G	L
Aluminium salts	E	E	E	E	E	E	G	G
Amino acid	E	E	E	E	E	E	E	E
Ammonia	E	E	E	E	E	E	G	L
Ammonium carbonate	E	E	E	E	E	E	E	E
Ammonium phosphate	E	E	E	E	E	E	G	G
Ammonium sulphate	E	E	E	E	E	E	G	G
n-amyl acetate	L	L	G	L	L	L	N	N
Amyl chloride	N	N	L	N	N	N	N	N
Aniline	G	G	G	G	G	L	N	N
Benzene	N	N	L	L	L	N	N	N
Benzine	L	N	G	G	G	L	N	N
Benzyl alcohol	G	L	G	G	G	L	N	N
Boric acid	E	E	E	E	E	E	E	G
Bromine	N	N	N	N	N	N	N	N
n-butyl alcohol	E	G	E	E	E	G	G	G
Butyric acid	L	N	G	L	L	N	N	E
Calcium chloride	E	E	E	E	E	E	E	E
Calcium hydroxide ,sat.	E	E	E	E	E	E	G	G
Calcium sulphate	E	E	E	E	E	E	G	G
Carbon tetrachloride	L	N	L	L	L	N	N	N
Chlorine 10% in water	G	N	G	L	L	N	N	N
Chlorobenzene	N	N	N	N	N	N	N	N
Chloroform	L	N	L	N	L	N	N	N
Chromic acid, 10%	E	E	E	E	E	E	E	E
Chromic acid, 50%	E	E	E	E	G	L	L	L
Citric acid, 10%	E	E	E	E	E	E	E	G
Cresol	N	N	L	N	G	L	N	N
Cyanide	E	E	E	E	E	E	G	G
Cyclohexanol	L	L	G	L	L	L	L	N
Diethyl ketone	G	L	G	G	G	G	N	N
Dimethylsulphoxide	E	E	E	E	E	E	E	G
1,4-dioxane	G	L	G	G	L	L	N	N
Ethanol, 95%	E	E	E	E	E	E	E	E
Ethyl acetate	G	L	G	G	G	L	N	N
Ethyl benzene	L	N	G	L	L	N	N	N
Ethylene glycol	E	E	E	E	E	E	E	E
Ethylene oxide	L	L	G	L	L	L	N	N
Fluorine	L	N	G	N	L	N	N	N
Fluorides	E	E	E	E	E	E	G	G
Formaldehyde, 10%	E	E	E	E	E	E	L	N
Formaldehyde, 40%	G	L	E	G	E	G	N	N
Formic acid 100%	E	G	E	E	E	G	L	L
Glacial acetic acid	E	G	E	E	E	G	N	N
Glycerin	E	E	E	E	E	E	E	E
Heating oil	L	N	G	L	E	G	N	N
Hexane	L	L	G	L	G	L	N	N
Hydrochloric acid, 5%	E	E	E	E	E	E	E	E
Hydrochloric acid, 20%	E	E	E	E	E	E	E	E
Hydrochloric acid, 35%	E	E	E	E	E	G	L	L
Hydrofluoric acid, 4%	E	G	E	E	E	G	G	L
Hydrofluoric acid, 48%	E	G	E	E	E	G	N	N
Hydrogen peroxide, 3%	E	E	E	E	E	E	E	G
Hydrogen peroxide, 30%	E	E	E	E	E	G	E	G
Iron chloride	E	E	E	E	E	E	E	E
Isobutanol	E	E	E	E	E	E	G	G

E = Excellent.

Plastic is absolutely resistant to this substance.

G = Good.

Exposure to this substance over a long period causes little or no damage.

Agent	LD-PE		HD-PE		PP		PS	
	+20°C	+60°C	+20°C	+60°C	+20°C	+60°C	+20°C	+60°C
Isopropanol	E	E	E	E	E	E	E	G
Isopropyl acetate	G	L	E	G	G	L	N	N
Kerosene	L	N	G	G	G	L	N	N
Lactic acid, 10%	E	E	E	E	E	E	G	G
Lactic acid, 90%	E	E	E	E	E	E	G	G
Lead acetate	E	E	E	E	E	E	E	E
Metal salts, dissolved	E	E	E	E	E	E	G	G
Methanol	E	E	E	E	E	E	L	N
Methylene chloride	L	N	G	L	L	N	N	N
Methyl ethyl ketone	G	L	G	G	G	L	N	N
Methyl propyl ketone	G	L	E	G	G	L	N	N
Mineral oil	G	L	E	E	E	E	E	E
Nitric acid, 10%	E	E	E	E	E	E	G	N
Nitric acid, 50%	G	L	G	G	L	N	N	N
Nitric acid, 70%	L	N	G	N	N	N	N	N
Oleic acid	L	N	G	G	G	L	G	G
n-octane	E	E	E	E	E	E	N	N
Oxalic acid	E	E	E	E	E	E	E	G
Ozone	L	L	G	L	L	L	N	N
Perchloroethylene	N	N	N	N	N	N	N	N
Perchloric acid	G	N	G	N	G	N	G	L
Phenol	L	N	G	G	G	L	N	N
Phosphoric acid, 10%	E	E	E	E	E	E	G	G
Phosphoric acid, 85%	E	E	E	E	E	G	E	G
Phosphorus trichloride	G	L	G	G	G	L	N	N
Potassium acetate	E	E	E	E	E	E	E	E
Potassium bromide	E	E	E	E	E	E	E	E
Potassium carbonate	E	E	E	E	E	E	E	E
Potassium hydroxide, 5%	E	E	E	E	E	E	G	G
Potassium hydroxide,conc.	E	E	E	E	E	E	G	G
Potassium permanganate	E	E	E	E	E	E	L	L
Propylene glycol	E	E	E	E	E	E	E	E
Pyridine	L	N	G	L	L	N	N	N
Saccharose	E	E	E	E	E	E	E	E
Salicylic acid, saturated	E	E	E	E	E	E	E	G
Silver acetate	E	E	E	E	E	E	G	G
Silver nitrate	E	G	E	E	E	G	G	L
Sodium carbonate	E	E	E	E	E	E	E	E
Sodium chloride,saturated	E	E	E	E	E	E	E	E
Sodium dichromate	E	E	E	E	E	E	E	E
Sodium hydroxide, 1%	E	E	E	E	E	E	G	G
Sodium hydroxide, 50%	E	E	E	E	E	E	G	G
Sodium hypochlorite , 15%	E	E	E	E	E	E	G	G
Sodium nitrate	E	E	E	E	E	E	E	E
Sodium sulphate	E	E	E	E	E	E	E	E
Sulphides	L	N	G	L	L	N	N	N
Sulphuric acid, 6%	E	E	E	E	E	E	E	G
Sulphuric acid, 20%	E	E	E	E	E	G	E	G
Sulphuric acid, 60%	E	G	E	E	E	G	G	N
Sulphuric acid, 98%	G	G	G	G	L	N	N	N
Tannic acid, 20%	E	E	E	E	E	E	G	G
Tetrahydrofuran	L	N	L	L	L	L	N	N
Toluene	L	N	G	G	L	N	N	N
Trichloroacetic acid	L	N	G	L	L	N	N	N
Trichloroethane	N	N	L	N	N	N	N	N
Turpentine oil	L	N	G	L	G	L	N	N
Urea	E	E	E	E	E	E	E	G
Xylene	L	N	L	L	L	N	N	N
Zinc chloride	E	E	E	E	E	E	E	E

L = Limited. Under constant exposure plastic may suffer from hairline cracks, deterioration of mechanical strength or discoloration.

N = Not resistant. Plastic is unsuitable for use in connection with this substance. Use is not recommended.