

Chemical Comparisons

Product Type (colour)	All Mounting Enclosures (ie Back Box)	Grey Transparent Covers and Plugs	Resistant Orange (RO) Covers and Plugs
Acids			
Weak Solutions			
Hydrochloric 10%	A	A	A
Nitric 10%	A	A	A
Concentrate			
Sulphuric 100%	A	D	D
Alkalis			
Weak Solutions			
Sodium Hydroxide 10% (Caustic Soda)	A	D	B
Concentrate			
Potassium Hydroxide 100%	A-B	D	D
Automotive			
Petroleum	A	D	A
Lubricating Oils		D	A
Hydraulic Oil		D	A
Solvents			
Aliphatic Hydrocarbons (Alkanes)			
Methane	B	A	A
Propane	A	A	A
Alcohols			
Ethylene Glycol	A	A	A
Glycerol (Glycerin)	A	C	B
Methyl Alcohol (Methanol)	A	D	B
Ethyl Alcohol (Ethanol)	A	A	A
Amines			
Aniline	D	D	D
Aromatic Hydrocarbons			
Methyl Benzene	D	D	B
Xylene	D	D	B
Ethers			
Dimethyl Ethyl	A	A	A
Ketones			
Acetone	A	D	C
Acetophenone	D	D	C
Ethyl Methyl Ketone	D	D	C
Miscellaneous			
Detergent	A	A	A
Inorganic Salts			
Magnesium Sulphate	A	A	A
Oxidising Agents			
Weak Solution			
Sodium Hypochlorite 5%	A	A	A
Strong Solution			
Hydrogen Peroxide 30%	A	A	A
Water			
Ambient	A	A	A
Hot > 60 °C	C	A	B
Steam	D	D	D

This table should be used as a guide only. Any end user should test to evaluate the suitability of any chemical with any plastic.

A - EXCELLENT Recommended; no adverse effects after extended exposure.
 B - GOOD Acceptable, minimal loss of mechanical properties after long periods of exposure.
 C - FAIR Marginal acceptability; loss of mechanical properties after long periods of exposure.
 D - POOR Not recommended for use.