

# 56 Series plastic chemical resistant comparison chart

Product Type (Colour)	All mounting enclosures (ie back box)	Grey transparent covers and plugs	Resistant orange (RO) covers and plugs
<b>Acids</b>			
Weak Solutions			
Hydrochloric	A	A	A
Nitric 10%	A	A	A
Concentrate			
Sulphuric Acid 100%	A	D	D
<b>Alkalis</b>			
Weak Solutions			
Sodium Hydroxide 10% (Caustic Soda)	A	D	B
Concentrate			
Potassium Hydroxide 100%	A-B	D	D
<b>Automotive</b>			
Petroleum	A	D	A
Lubricating Oils		D	A
Hydraulic Oil		D	A
<b>Solvents</b>			
Aliphatic hydrocarbons (alkanes)			
Methane	B	A	A
Propane	A	A	A
Alcohols			
Ethelene 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
<b>Miscellaneous</b>			
Detergent	A	A	A
Inorganic Salts			
Magnesium Sulphate	A	A	A
<b>Oxidising agents</b>			
Weak Solution			
Sodium Hydrochlorite 5%	A	A	A
Strong Solution			
Hydrogen Peroxide 30%	A	A	A
<b>Water</b>			
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.

D - Poor  
Not recommended for  
use.