

plastic corrosion resistance table

LEGEND

- = Little resistance - not recommended
- = Average resistance
- = Good resistance - it can be used

CHEMICAL AGENT	ACETAL RESIN D	ACETAL RESIN LFA / WLF	ACETAL RESIN SP / AK	POLYAMIDE COMPOSITE WRX	ANTISTATIC RESIN AS	POLYPROPYLENE PPB	POLYESTER PBT
A Acetic acid	○	○	○	○	○	●●	●●
Acetone	●	●	●	●●	●	●●	●
Aluminium chloride	○	○	○	●●	○	○	-
Ammonia	●●	●●	●●	●●	●●	●●	●
Ammonium chloride	○	○	○	●●	○	○	-
Amyl alcohol	○	○	○	●●	○	●●	-
Aniline	●●	●●	●●	●	●●	●●	-
B Beer	●●	●●	●●	●●	●●	●●	●●
Benzene	●●	○	○	●●	●●	○	○
Benzoic acid	○	○	○	●	○	●●	-
Benzol	●●	●●	●●	●●	●●	●●	●●
Boric acid	●●	●●	●●	●●	●●	●●	-
Brine	●	●	●	●	●	●●	-
Butter	●●	●●	●●	●●	●●	●●	-
Butyl alcohol	○	○	○	●	○	●●	-
Butyric acid	○	○	○	○	○	●●	-
C Calcium chloride	●	●	●	●●	●	●●	-
Carbon disulphide	●●	●●	●●	●●	●●	●●	-
Carbon tetrachloride	●●	●●	●●	●●	●●	○	-
Carbonated drinks	●●	●●	●●	●●	●●	○	-
Cheese	●●	●●	●●	○	●●	●●	-
Chlorine water	○	○	○	-	○	○	-
Chloroform	○	○	○	○	○	○	-
Citric acid	●	●	●	○	●	●●	●●
Copper sulphate	●●	●●	●●	-	●●	●●	-
D Diet oil	●●	●●	●●	-	●●	●●	-
Diet fat	●●	●●	●●	-	●●	●●	-
Distilled water	●●	●●	●●	●●	●●	●●	-
E Ethyl acetate	○	○	○	●●	○	●●	-
Ethyl alcohol	●●	●●	●●	●●	●●	●●	-
Ethyl chloride	●●	●●	●●	●●	●●	○	-
Ethyl ether	●●	●●	●●	●●	●●	●●	-
F Flax oil	○	○	○	●●	○	●●	-
Formaldehyde	●●	●●	●●	●●	●●	●●	-
Formic acid	○	○	○	○	○	●●	●
Freon 12	○	○	○	●●	○	○	-
Fresh water	●●	●●	●●	●●	●●	●●	●●
Fruit juice	●●	●●	●●	●●	●●	●●	●●
G Gasoline	●●	●●	●●	●●	●●	●	-
Glycerine	●●	●●	●●	●●	●●	●●	-
H Hydrochloric acid	○	○	○	○	○	●●	●
Hydrofluoric acid	○	○	○	○	○	●●	-
Hydrogen peroxide	○	○	○	○	○	●●	-
I Iodine	●●	●●	●●	○	●●	●●	-
Iron chloride	○	○	○	-	○	●●	-
L Lactid acid	●●	●●	●●	●●	●●	●●	●●
M Magnesium chloride	○	○	○	●●	○	●●	-
Mercury	●●	●●	●●	●●	●●	●●	-
Methyl alcohol	●●	●●	●●	●●	●●	●●	-
Methylene chloride	○	○	○	●●	○	●	-
Milk	●●	●●	●●	●●	●●	●●	●●
N Nitric acid	○	○	○	○	○	●●	○
O Oil	●●	●●	●●	●●	●●	●	○
Oil ether	●●	●●	●●	●●	●●	●●	-
Oleic acid	○	○	○	●●	○	●●	-
P Paraffin	●●	●●	●●	○	●●	●●	●●
Phenol	○	○	○	○	○	●●	-
Phosphoric acid	○	○	○	○	○	●●	●
Potassium hydroxine	○	○	○	●●	○	○	-
S Sea water	●	●	●	●●	●	●●	●●
Silicone oil	○	○	○	●●	○	●●	-
Silver nitrate	○	○	○	●●	○	●●	-
Soapy water	●●	●●	●●	●●	●●	●●	●●
Sodium carbonate	●●	●●	●●	●●	●●	●●	-
Sodium chloride	●●	●●	●●	●●	●●	●●	-
Sodium hydroxine	●●	●●	●●	●●	●●	●●	○
Sodium hypochlorite	○	○	○	●●	○	●●	●
Sodium silicate	○	○	○	●●	○	○	-
Sodium sulphate	●●	●●	●●	●●	●●	●●	-
Soft drinks	●●	●●	●●	●●	●●	●●	●●
Suds	○	○	○	●●	○	●●	-
Sulfuric acid	○	○	○	○	○	●●	●●
T Tartaric acid	●	●	●	●●	●	●●	-
Tetarline	○	○	○	●●	○	○	-
Tincture of iodine	●●	●●	●●	○	●●	●●	-
Transformer oil	○	○	○	●●	○	●	-
Trichlorethylene	○	○	○	○	○	○	-
Turpentine	○	○	○	●	○	○	●●
V Vegetable juice	●●	●●	●●	●●	●●	●●	●●
Vegetable oil	●●	●●	●●	●●	●●	●●	○
Vinegar	●●	●●	●●	●●	●●	●●	●●
W Whiskey	●●	●●	●●	●●	●●	●●	●●
Wine	●●	●●	●●	●●	●●	●●	●●
X Xilol	●●	●●	●●	●●	●●	○	●●
Z Zinc chloride	○	○	○	●	○	●●	-