



**KING PLASTIC CORPORATION**

## Chemical Resistance KPC ABS

EX = Excellent Resistance  
 Good = Good, but Limited Resistance  
 SE = Severe Effect  
 N/A = No Data

Chemical	Concentration%	68°F	140°F	212°F
Acetaldehyde		SE	SE	N/A
Acetic acid	(10%)	EX	SE	N/A
Acetic acid	(glac./anh.)	SE	SE	N/A
Acetic anhydride		SE	SE	N/A
Aceto-acetic ester		SE	SE	N/A
Acetone		SE	SE	N/A
Other ketones		SE	SE	N/A
Acetonitrile		N/A	N/A	N/A
Acetylene		N/A	N/A	N/A
Acetyl salicylic acid		SE	SE	N/A
Acid fumes		SE	SE	N/A
Alcohols		SE	SE	N/A
Aliphatic esters		SE	SE	N/A
Alkyl chlorides		SE	SE	N/A
Alum		EX	EX	N/A
Aluminium chloride		EX	EX	N/A
Aluminium sulphate		EX	EX	N/A
Ammonia, anhydrous		EX	SE	N/A
Ammonia, aqueous		EX	SE	N/A
Ammonium chloride		EX	EX	N/A
Amyl acetate		SE	SE	N/A
Aniline		SE	SE	N/A
Antimony trichloride		EX	EX	N/A
Aqua regia		SE	SE	N/A
Aromatic solvents		SE	SE	N/A
Ascorbic acid		SE	SE	N/A
Beer		EX	EX	N/A
Benzaldehyde		EX	N/A	N/A
Benzene		SE	SE	N/A
Benzoic acid		EX	EX	N/A
Benzoyl peroxide		EX	N/A	N/A
Boric acid		EX	EX	N/A
Brines, saturated		EX	EX	N/A



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Bromide (K) solution		EX	EX	N/A
Bromine		SE	SE	N/A
Bromine liquid, tech.		SE	SE	N/A
Bromine water, saturated aqueous		SE	SE	N/A
Butyl acetate		N/A	N/A	N/A
Calcium chloride		EX	EX	N/A
Carbon disulphide		SE	SE	N/A
Carbonic acid		EX	EX	N/A
Carbon tetrachloride		SE	SE	N/A
Caustic soda & potash		EX	EX	N/A
Cellulose paint		N/A	N/A	N/A
Chlorates of Na, K, Ba		EX	EX	N/A
Chlorine, dry		EX	EX	N/A
Chlorine, wet		EX	EX	N/A
Chlorides of Na, K, Ba		EX	EX	N/A
Chloroacetic acid		SE	SE	N/A
Chlorobenzene		SE	SE	N/A
Chloroform		SE	SE	N/A
Chlorosulphonic acid		SE	SE	N/A
Chromic acid	(80%)	EX	SE	N/A
Citric acid		EX	EX	N/A
Copper salts	(most)	EX	EX	N/A
Cresylic acids	(50%)	SE	SE	N/A
Cyclohexane		SE	SE	N/A
Detergents, synthetic		EX	SE	N/A
Emulsifiers, concentrated		N/A	N/A	N/A
Esters		SE	SE	N/A
Ether		SE	SE	N/A
Fatty acids	(>C6)	EX	EX	N/A
Ferric chloride		EX	EX	N/A
Ferrous sulphate		EX	EX	N/A
Fluorinated refrigerants		SE	SE	N/A
Fluorine, dry		SE	SE	N/A
Fluorine, wet		SE	SE	N/A
Fluorosilic acid		SE	SE	N/A
Formaldehyde	(40%)	EX	EX	N/A
Formic acid		EX	EX	N/A
Fruit juices		EX	EX	N/A

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Gelatine		EX	EX	N/A
Glycerine		EX	EX	N/A
Glycols		SE	SE	N/A
Glycol, ethylene		EX	EX	N/A
Glycolic acid		SE	SE	N/A
Hexamethylene diamine		N/A	N/A	N/A
Hexamine		SE	SE	N/A
Hydrazine		N/A	N/A	N/A
Hydrobromic acid	(50%)	EX	SE	N/A
Hydrochloric acid	(10%)	EX	EX	N/A
Hydrochloric acid	(conc.)	EX	SE	N/A
Hydrocyanic acid		EX	EX	N/A
Hydrofluoric acid	(40%)	EX	SE	N/A
Hydrofluoric acid	(75%)	SE	SE	N/A
Hydrogen peroxide	(30%)	EX	SE	N/A
Hydrogen peroxide	(30 - 90%)	SE	SE	N/A
Hydrogen sulphide		N/A	N/A	N/A
Hypochlorites		EX	EX	N/A
Hypochlorites	(Na 12-14%)	EX	SE	N/A
Iso-butyl-acetate		N/A	N/A	N/A
Lactic acid	(90%)	EX	EX	N/A
Lead acetate		EX	EX	N/A
Lead perchlorate		N/A	N/A	N/A
Lime (CaO)		EX	EX	N/A
Maleic acid		EX	EX	N/A
Manganate, potassium (K)		EX	EX	N/A
Meat juices		EX	EX	N/A
Mercuric chloride		EX	SE	N/A
Mercury		EX	EX	N/A
Methanol		SE	SE	N/A
Methylene chloride		SE	SE	N/A
Milk products		EX	SE	N/A
Moist air		EX	EX	N/A
Molasses		EX	SE	N/A
Monoethanolamine		SE	SE	N/A
Naptha		EX	SE	N/A
Napthalene		SE	SE	N/A
Nickel salts		EX	EX	N/A



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Nitrates of Na,	K and NH <sub>3</sub>	EX	EX	N/A
Nitric acid	(<25%)	SE	SE	N/A
Nitric acid	(50%)	SE	SE	N/A
Nitric acid	(90%)	SE	SE	N/A
Nitric acid (fuming)		SE	SE	N/A
Nitrite	(Na)	EX	SE	N/A
Nitrobenzene		SE	SE	N/A
Oils, diesel		N/A	N/A	N/A
Oils, essential		EX	EX	N/A
Oils, lubricating + aromatic additives		SE	SE	N/A
Oils, mineral		EX	EX	N/A
Oils, vegetable and animal		EX	EX	N/A
Oxalic acid		EX	SE	N/A
Ozone		SE	SE	N/A
Paraffin wax		EX	EX	N/A
Perchloric acid		N/A	N/A	N/A
Petroleum spirits		SE	SE	N/A
Phenol		SE	SE	N/A
Phosphoric acid	(20%)	EX	SE	N/A
Phosphoric acid	(50%)	EX	SE	N/A
Phosphoric acid	(95%)	EX	SE	N/A
Phosphorous chlorides		N/A	N/A	N/A
Phosphorous pentoxide		N/A	N/A	N/A
Phthalic acid		N/A	N/A	N/A
Picric acid		N/A	N/A	N/A
Pyridine		SE	SE	N/A
Salicyl aldehyde		EX	N/A	N/A
Sea water		EX	EX	N/A
Silicic acid		EX	EX	N/A
Silicone fluids		N/A	N/A	N/A
Silver nitrate		EX	EX	N/A
Sodium carbonate		EX	EX	N/A
Sodium peroxide		EX	N/A	N/A
Sodium silicate		EX	SE	N/A
Sodium sulphide		EX	SE	N/A
Stannic chloride		SE	SE	N/A
Starch		EX	SE	N/A
Sugar, syrups & jams		EX	EX	N/A
Sulphamic acid		N/A	N/A	N/A
Sulphates (Na, K, Mg, Ca)		EX	EX	N/A
Sulphites		EX	SE	N/



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Chemical	Concentration%	68°F	140°F	212°F
Sulphonic acids		N/A	N/A	N/A
Sulphur		EX	N/A	N/A
Sulphur dioxide, dry		EX	SE	N/A
Sulphur dioxide, wet		EX	SE	N/A
Sulphur dioxide	(96%)	SE	SE	N/A
Sulphur trioxide		EX	EX	N/A
Sulphuric acid	(<50%)	SE	SE	N/A
Sulphuric acid	(70%)	SE	SE	N/A
Sulphuric acid	(95%)	SE	SE	N/A
Sulphuric acid, fuming		SE	SE	N/A
Sulphur chlorides		N/A	N/A	N/A
Tallow		EX	EX	N/A
Tannic acid	(10%)	N/A	N/A	N/A
Tartaric acid		EX	EX	N/A
Trichlorethylene		SE	SE	N/A
Urea	(30%)	EX	EX	N/A
Vinegar		EX	EX	N/A
Water, distilled.		EX	EX	N/A
Water, soft		EX	EX	N/A
Water, hard		EX	EX	N/A
Wetting agents	(<5%)	EX	EX	N/A
Yeast		EX	SE	N/A
Zinc chloride		SE	SE	N/A

The information transmitted herewith is given in good faith. King Plastic products are manufactured to the highest quality standards. The suitability for application and the performance of any products manufactured by King Plastic Corporation is the sole responsibility of the end user.