Chemical resistance of plastics

	PS	ABS	PC	PC/ABS blend	PA	UP-GF Polyester
Acetone	---	---	---	---	+	---
Formic acid	40 %	---	---	---	---	10 %
Ammonia	+	25 %	---	---	10 %	---
Benzene	---	---	o	---	+	---
Brake fluid	Δ	o	---	---	+	+
Butane	---	+	+	+	+	Δ
Butanol	Δ	Δ	Δ	Δ	+	+
Calcium chloride	+	+	+	Δ	10%	+
Chlorine benzole	---	---	---	---	+	+
Diesel oil	---	+	o	Δ	+	+
Acetic acid	50 %	25 %	10 %	10 %	5 %	10 %
Formaldehyde	40 %	30 %	Δ	Δ	o	30 %
Frigen 113	Δ	---	+	---	+	+
Fruit juice	Δ	Δ	+	Δ	+	+
Glycerine	+	+	o	Δ	+	+
Heating oil	---	o	o	Δ	+	+
Hydraulic oil	Δ	Δ	+	---	+	+
Caustic potash solution	50 %	50 %	---	---	50 %	---
Potassium chloride	+	Δ	+	Δ	10 %	+
Potassium hydroxide	Δ	Δ	Δ	Δ	Δ	---
Linseed oil	+	+	+	+	+	+
Methanol	Δ	Δ	---	Δ	o	---
Methylene chloride	---	---	---	---	o	---
Lactic acid	80 %	80 %	+	+	o	+
Mineral oils	Δ	Δ	+	Δ	+	+
Engine oils	o	+	+	Δ	+	+
Sodium carbonate	+	+	+	Δ	10 %	+
Sodium chloride	+	+	+	+	---	+
Sodium hydroxide	Δ	+	Δ	Δ	Δ	---
Soda lye	50 %	50 %	---	---	+	40 %
Nitric acid	10 %	---	10 %	Δ	---	10 %
Hydrochloric acid	10 %	o	20 %	Δ	---	---
Lubricating oil	Δ	Δ	+	Δ	+	+
Carbon disulphide	---	---	---	---	+	---
Sulphuric acid	50 %	50 %	50 %	50 %	---	---
Soap suds	Δ	Δ	o	Δ	Δ	+
Detergents	Δ	Δ	+	+	Δ	Δ
Turpentine oil	---	Δ	o	Δ	+	+
Hydrocarbon tetrachloride	---	---	Δ	---	+	+
Toluol	---	---	---	---	+	---
Trichloroethylene	---	---	---	---	+	---
Water (distilled, river, tap, sea)	+	+	+	+	+	+
Tartaric acid	+	+	+	+	10 %	+
Xylol	---	---	---	---	+	+
Zinc sulphate	+	+	+	+	Δ	+
Citric acid	+	+	10 %	+	Δ	+

Symbols

+ resistant to all concentrations
% resistant to this max. percentage concentration
o resistant under certain conditions
--- not resistant
Δ no information available

Unless otherwise stated, the tests were carried out at room temperature.
If different media coincide, resistances may change; consequently, we cannot accept any liability for these data.