

chemical resistance chart

+ resistant
o partly resistant
- non-resistant

	PVC-U	PP	PE HD	PE-LD/HW	PMMA	ABS	PC	PPE	PA6	PA6.6	POM	PET	PVDF	ECTFE	PSU	PPSU	PBS	PPS	PEEK
	conc. (%)	20°C	60°C	20°C	60°C	20°C	60°C	20°C	60°C	20°C	60°C	20°C	60°C	20°C	60°C	20°C	60°C	20°C	60°C
Acetone	100	-	-	+/o	+/o	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Formic acid	1.0	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ammonia	conc.	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ammonium chloride	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Amyl alcohol	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Apple juice	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Benzene	-	-	o	-	+/o	-/-	+/-	+/-	-	-	-	-	-	-	-	-	-	-	-
Bleaching solution	32.5 Cl	+	o	o	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boric acid	100	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bromo R-11	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Butyl acetate	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium chloride	+	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Chlorine, gas	100	o	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	100	-	-	o/-	o	-	-	-	-	-	-	-	-	-	-	-	-	+/o	o
Chloroform	-	-	o	-	+/-	-	-	-	-	-	-	-	-	-	-	-	-	+/o	o
Cyanoacrylate	100	+	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	100	-	-	o/-	-	+/-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethylene oxide, THF	-	-	o	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	100	-	+/-	-	-	-	-	-	-	+/-	-	o	-	-	-	-	-	-	-
Diesel fuel	+	-	+	+	+	+	+	+	+	+	o	-	-	-	-	-	-	-	-
Acetic acid	100	+	-	+	o	o	o	-	-	-	-	-	-	-	-	-	-	-	-
Vinegar, standard	5-10	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ethyl acetate	100	-	-	+/-	+/-	+/-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl alcohol	96	+	o	+	+	+	+	+	+	+/-	-	o	-	-	-	-	-	-	-
Ethylene chloride	100	-	-	+/-	+/-	+/-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrofluoric acid	4.0	+	o	+	+	+	+	+	+	+	o	-	-	-	-	-	-	-	-
Formaldehyde, aqu.	4.0	+	+	+	+	+	+	+	+	+	o	-	-	-	-	-	-	-	-
Frost protection agent	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Glycerin	100	+	+	+	+	+	+	+	+	+	+/-	o	-	-	-	-	-	-	-
Glycol	100	+	+	+	+	+	+	+	+	+	+	o	-	-	-	-	-	-	-
Heating oil	+	+	+	+/-	+	+	+	+	+	+	o	-	-	-	-	-	-	-	-
Heptane	100	+	+	o	+	+/-	+/-	+/-	+/-	+/-	+	-	-	-	-	-	-	-	-
Isopropyl alcohol	100	+	+	+	+	+	+	+	+	+	o	-	-	-	-	-	-	-	-
Mercuric chloride	o	-	o	-	+/-	-	-	-	-	-	o	-	-	-	-	-	-	-	-
Potassium hydroxide, liquor	5.0	+	+	+	+	+	+	+	+	+/-	-	-	-	-	-	-	-	-	-
Cresol	-	-	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-
Linsed oil	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Methyl alcohol	100	+	+/-	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Methylene chloride	100	-	-	o/-	-	o/-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl ethyl ketone	100	-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Milk	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
2-Hydroxypropionic acid	90	+	+	+	+	+	+	+	+	+/-	+	-	-	-	-	-	-	-	-
Mineral oil, (aromatic free)	+	+	+	+	+/-	+/-	+/-	+/-	+/-	+/-	+	-	-	-	-	-	-	-	-
Sodium hydrogen sulphite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium carbonate, aqu.	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Sodium chloride, aqu.	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Sodium nitrate, aqu.	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Sodium thiosulfate	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Sodium hydroxide, liquor	1.5	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Sodium hydroxide, liquor	6.0	-	-	-	+/-	+/-	+/-	+/-	+/-	+/-	+	-	-	-	-	-	-	-	-
Nitrobenzene	-	-	-	+/-	+/-	+/-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxalic acid	+	+	+	+	+	+	+	+	+	+	+	o	-	-	-	-	-	-	-
Ozone, gas	< 0.5 ppm	+	-	-	+/-	+/-	+/-	+/-	+/-	+/-	o	-	-	-	-	-	-	-	-
Paraffine oil	100	+	o	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Perchloroethylene	-	-	o	-	o	-	o	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum ether	100	+	+	+	o	+	o	-	-	-	o	-	-	-	-	-	-	-	-
Phenol, aqu.	100	+	+	+	+	o	o	o	o	o	o	-	-	-	-	-	-	-	-
Phosphoric acid	5.0	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Propyl alcohol	+	o	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Purifine	-	-	+	+	+/-	+/-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitric acid	1.0	+	+	+	+	+	+	+	+	+	o	-	-	-	-	-	-	-	-
Nitric acid	5.0	+	+	-	-	o	o/-	o	o/-	-	+/-	-	-	-	-	-	-	-	-
Hydrochloric acid	1.0	+	+	+	+	+	+	+	+	+	o/-	-	-	-	-	-	-	-	-
Hydrochloric acid	conc.	+	+	+	+	o/-	+	+	+	+	+/-	o	-	-	-	-	-	-	-
Carbon disulphide	100	-	-	o	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulphuric acid	9.6	+	+/-	o/-	-	o	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrogen sulphide	+	+	+	+	+	+/-	+	+	+	+	+	-	-	-	-	-	-	-	-
Silicone oil	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Food oil	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Carbon tetrachloride	-	-	-	-	o/-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrahydrofuran	100	-	-	o/-	-	o/-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	100	-	-	+	+	+/-	+/-	+/-	+/-	+/-	o	-	-	-	-	-	-	-	-
Transformer oil	+	+	+	+/-	+/-	+/-	+/-	+/-	+/-	+/-	o	-	-	-	-	-	-	-	-
Fuel, aromatic free	+	+	+	+	+	+	+	+	+	+	+/-	-	-	-	-	-	-	-	-
Premium fuel	-	-	-	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-
Trichloroethylene	100	-	-	o	-	+/-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-
Hydrogen peroxide	10	+	+	+	+	+	+	+	+	+	+	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-
Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloro acid	1.0	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-

*Figures indicated are approximate values and may be affected by the temperature, operating time, concentration and stress level of the component involved, by mechanical loads, etc., and the user must perform checks and trials before use.

The values indicated here are compiled on the basis of current experiences and findings and are not subject to a legal binding guarantee of certain properties.

Also, suitability for a specific application cannot be inferred from the present data.