

Chemical resistance

Agent	Concentration	U-PVC		C-PVC		PPC		PPH		LDPE		PE 300		PE 500		PE 1000	
		20	60	20	60	20	60	20	60	20	60	20	60	20	60	20	60
2 - Hydroxypropionic acid	90	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Acetic acid	100	●	-	-	-	●	●	●	●	●	-	●	●	●	●	●	●
Acetone	100	-	-	-	-	●	●	●	●	●	-	●/●	●	●	●	●/●	●
Ammonia	conc.	●	●	-	-	●	●	●	●	●	●	●	●	●	●	●	●
Ammonium chloride		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Amyl alcohol		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Bezene		-	-	-	-	●	-	●	-	-	-	●/●	●/-	●	-	●	●/●
Bleaching solution	12.5 Cl	●	-	●	●	●	-	●	-	●	-	●	-	●	-	●	-
Boric acid	100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Brake fluid		●	●	●	-	●	●	●	●	●	-	●	●	●	●	●	●
Butyl acetate		-	-	-	-	●	-	●	-	●	●	●	●	●	-	●	●
Calcium chloride		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Carbon disulphide	100	-	-	-	-	-	-	-	-	-	-	●/-	-	●	-	-	-
Carbon tetrachloride		-	-	-	-	-	-	-	-	-	-	●/-	-	-	-	-	-
Chlorine, gas	100	●	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-
Chlorobenzene	100	-	-	-	-	●	-	●	-	-	-	●	-	●	-	-	-
Chloroform		-	-	-	-	●	-	●	-	-	-	●/-	-	●	-	-	-
Cresol		-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
Cyclohexanone	100	-	-	-	-	●	●	●	●	-	-	●	●/●	●	●	●	●
Cyclohexene	100	●	●	-	-	-	-	-	-	-	-	●	●	-	-	●	●
Diesel fuel		●	●	●	-	●	-	●	-	●	-	●	●	●	●	●	●
Ethyl acetate	100	-	-	-	-	●	-	●	-	●	-	●/●	●	-	-	●	●
Ethyl alcohol	96	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●
Ethylene chloride	100	-	-	-	-	●	-	●	-	-	-	●/●	●	●	●	●	●
Formaldehyde, aqu	40	●	●	-	-	●	●	●	●	●	●	●	●	●	●	●	●
Formic acid	10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Glycerine	100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Glycol	100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Heating oil		●	●	●	-	●	-	●	-	●	-	●	●	●	●	●	●
Heptane	100	●	●	●	-	●	●	●	●	-	-	-	-	-	-	-	-
Hydrochloric acid	conc.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hydrofluoric acid	40	●	●	●	-	●	-	●	-	●	●	●	●	●	●	●	●
Hydrogen peroxide	10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hydrogen sulphide		●	●	●	●	●	●	●	●	●	●	●/●	●	●	●	●	●
Isopropyl alcohol	100	●	●	●	●	●	●	●	●	●	-	●	●	●	●	●	●
Methyl alcohol	100	●	●/●	-	-	●	●	●	●	●	●	●	●	●	●	●	●
Methylene chloride	100	-	-	-	-	●	-	●	-	-	-	●/-	-	●	●	●/●	-
Mineral oils, aromatic free		●	●	●	-	●	●	●	●	●	-	●	●/●	●	●	●	●
Nitric acid	50	●	●	●	-	●	-	●	-	●	-	●/●	●/-	●	-	●	●/-
Nitrobenzine		-	-	-	-	●	●	●	●	-	-	●/●	●	●	●	●	●
Oxalic acid		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ozone, gas	ca. 0.5 ppm	●	●	●	●	●	-	●	-	-	-	●/●	-	●	-	●/●	-
Paraffin oil	100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Perchlorethylene		-	-	-	-	●	-	●	-	-	-	●	-	●	-	●	-
Petroleum	100	●	●	-	-	●	●	●	●	●	-	●	●	●	●	●	●
Petroleum, aromatic free	100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Phenol, aqu	ca.9	●	-	●	●	●	●	●	●	●	-	●	●	●	●	●	●
Phosphoric acid	50	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Premium fuel		-	-	-	-	●	-	●	-	●	-	●	●	●	-	●	●
Propyl alcohol		●	●	-	-	●	●	●	●	●	●	●	●	●	●	●	●
Pyidine		-	-	-	-	●	●	●	●	●	●	●/●	●	●	●	●	●
Silicone oil		●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●
Sodium carbonate, aqu		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sodium chloride, aqu		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sodium hydrogen sulphite		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sodium nitrate, aqu		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sodium thiosulfate		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sulphuric acid	96	●	●/●	●	-	●	-	●	-	●	-	●	-	●	-	●	-
Tetrahydrofuran	100	-	-	-	-	●	-	●	-	-	-	●/-	-	●	-	-	-
Trichlorethylene	100	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-
Vinegar, standard	5 - 10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

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Resistant ●
PE300 = HDPE

Partly resistant ●
PE500 = HMW-PE

Non resistant -
PE1000 = UHMW-PE

	Nylon 6		Nylon 66		Nylon 12		Acetal		PET		ABS		PVDF		PC		PETG		Acrylic		
	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	60	20	60	
2 - Hydroxypropionic acid	-	-	-	-	-	-	●	-	-	-	●/●	-	●/●	●	●	-	-	-	-	-	-
Acetic acid	-	-	-	-	-	-	●	-	-	-	-	-	●	●	-	-	-	-	-	-	-
Acetone	●	●	●	●	●	●	●	●	●	-	-	-	●/●	-	-	-	-	-	-	-	-
Ammonia	●/●	-	●/●	-	●	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	●
Ammonium chloride	●	-	●	-	-	-	●/●	●	-	-	-	●	●	●	●	-	-	-	-	-	-
Amyl alcohol	●	-	●	-	-	-	●	-	-	-	●	-	●	●	-	-	-	-	-	-	-
Bezene	●	●	●	●	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	-
Bleaching solution	-	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-
Boric acid	●/●	●	●/●	●	●	●	●/-	-	-	-	-	-	●	●	●	-	-	-	-	-	-
Brake fluid	●	●	●	●	-	-	●	●	●	●	-	-	●	●	-	-	-	-	●	-	-
Butyl acetate	●	-	●	-	●	●	●	●	●	●	-	-	●	●	-	-	-	-	-	-	-
Calcium chloride	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●
Carbon disulphide	●	-	●	-	●	●	●	●	●	●	-	-	●	-	-	-	-	-	-	-	-
Carbon tetrachloride	●	-	●	-	-	-	●	●	●	●	-	-	●	●	-	-	-	-	-	-	-
Chlorine, gas	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	-	-	-	-	-	●
Chlorobenzene	●	-	●	-	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	-
Chloroform	-	-	●	●/-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-
Cresol	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-
Cyclohexanone	●	-	●	-	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	-
Cyclohexene	●	-	●	-	●	●	●	●	●	-	-	-	●	●	-	-	-	-	-	-	-
Diesel fuel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	●	-	●	●
Ethyl acetate	●	-	●	-	●	●	●	●	●	●/●	-	-	-	●	●	-	-	-	-	-	-
Ethyl alcohol	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●/●	●	-	-	-	●/●
Ethylene chloride	●	-	●	-	●	●	●	●	●	●/-	-	-	-	●	●	-	-	-	-	-	-
Formaldehyde, aqu	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●
Formic acid	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
Glycerine	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●/●	●	-	-	-	●
Glycol	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●
Heating oil	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●
Heptane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hydrochloric acid	-	-	-	-	-	-	-	-	-	-	-	●/●	-	●	●	●/-	-	-	-	-	●
Hydrofluoric acid	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	-	-	-	-	-	-
Hydrogen peroxide	●/●	-	●/●	-	-	-	●	-	●	●	●	●	●	●	●	●	-	-	●	-	●
Hydrogen sulphide	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●
Isopropyl alcohol	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●/●
Methyl alcohol	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
Methylene chloride	●	●	●	●	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-
Mineral oils, aromatic free	●	●	●	●	-	-	●	●	●	●	●	●	●	●	●	●	-	-	●	-	●
Nitric acid	-	-	-	-	-	-	-	-	-	-	-	●/●	-	●	●	-	-	●	-	-	-
Nitrobenzine	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
Oxalic acid	●	-	●	-	●	●	-	-	-	-	-	-	●	●	●	●	-	-	-	-	●
Ozone, gas	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	-	-	-	-	●
Paraffin oil	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●
Perchlorethylene	●	-	●	-	●	●	●	●	●/●	-	-	-	●	●	-	-	-	-	-	-	●
Petroleum	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●
Petroleum, aromatic free	●	-	●	-	●	●	●	●	●	●	●	●/-	●	●	●	●	-	-	-	-	●
Phenol, aqu	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-
Phosphoric acid	-	-	-	-	-	-	-	-	●	●	●	●	●	●	●	●	-	-	-	-	-
Premium fuel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
Propyl alcohol	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
Pyridine	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
Silicone oil	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●
Sodium carbonate, aqu	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sodium chloride, aqu	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sodium hyrogen sulphite	●	-	●	-	-	-	-	-	●	●	●	●	●	●	●	●	-	-	-	-	●
Sodium nitrate, aqu	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
Sodium thiosulfate	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●
Sulphuric acid	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-
Tetrahydrofuran	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-
Trichlorethylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinegar, standard	●	-	●	-	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	●

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