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	● °C	● °C	● °C	● °C	● °C	● °C	● °C	● °C	°C	°C	● °C	● °C	● °C	● °C	● °C	● °C
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 hyrogen sulphite		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sodium nitrate, aqu		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sodium thiosulfate		●	●	●	●	●	●	●	●			●	●	●	●	●	●
Sulphuric acid	96	●	●/●	●	-	●	-	●	-	●	-	●	-	●	-	●	-
Tetrahydrofuran	100	-	-	-	-	●	-	●	-	-	-	●/-	-	●	-		
Trichlorethylene	100	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-	-
Vinegar, standard	5 - 10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Resistant ● Partly resistant ◉ Non resistant -

PE300 = HDPE **PE500** = HMW-PE **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
-	-	-	-			●	-			●/◉		●/◉	◉	●					
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-	-	-	-	-		-	-					◉		-	-				
●/◉	◉	●/◉	◉	●		◉/-	-					●	●	●					
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