

Chemical Resistance Chart

	conc. (%)	PVC-U		PP		PE HD		PE-UHMW		PA6		PA6.6		PVDF		ECTFE	
		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	+	+/o	o	o	o	o	+/o	+/o	+	+
Formic acid	10	+	o	+	+	+	+	+	+	-	-	-	-	+	+	+	+
Ammonia	CONC.	+	o	+	+	+	+	+	+	+/o	-	+/o	-	+	+	+	+
Ammonium chloride		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Amyl alcohol		+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Apple juice		+	+											+	+		
Benzene		-	-	o	-	+/o	o/-	+	+/o	+	+	+	+	+	+	+	+
Bleaching solution	12.5 CL	+	-	o	o	o	-	+	+	-	-	-	o	+	+	+	+
Boric acid	100	+	o	+	+	+	+	+	+	+/o	o	+/o	o	+	+	+	+
Brake fluid		+	+	+	+	+	+	+	+								
Butyl acetate		-	-	o	-	+	o	+	+	+	+	+	+	+	-	+	+
Calcium chloride		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Chlorine, gas	100	o	-	-	-	o	-			-	-	-	-	+	+	+	+
Chlorobenzene	100	-	-	+	o/-	o	-			+		+		+	+	+	+
Chloroform		-	-	o	-	o/-	-			-	-	o	o/-	+	+		
Cyclohexene	100	+	o	+	-	+	+	+	+	+	+	+	+	+	+	+	+
Cyclohexanone	100	-	-	+	o/-	+	+/o	+	+	+	+	+	+	+	o	+	o
Diethylene oxide, THF		-	-	o		+	o			+		+		+	+		
1.4 Dioxane	100	-	-	o/-		+		+		+	+	+	+	o	-	+	+
Diesel fuel		+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acetic acid	100	+	-	+	o	+	o	+	+	-	-	-	-	+	o	+	+
Vinegar, standard	5-10	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ethyl acetate	100	-	-	+	+/o	+	+/o	+		+		+		+	o		
Ethyl alcohol	96	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ethylene chloride	100	-	-	+/o		+/o				+		+		+	+	+	+
Hydrofluoric acid	40	+	o	+	+	+	o	+		-	-	-	-	+	+	+	+
Formaldehyde, aqu	40	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Frost protection agent		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Glycerin	100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Glycol	100	+	+	+	+	+	+	+	+	+	o	+	o	+	+	+	+
Heating oil		+	+	+	+/o	+	+	+	+	+	+	+	+	+	+	+	+
Heptane	100	+	+	o	o	+	+/o	+	+/o	+		+		+	+		
Isopropyl alcohol	100	+		+	+	+	+	+	+	+	+	+	+	o	+	+	+
Mercurochrome		o	-	+	o	+	+/o	+		-	-	-	-	+	+	+	+
potassium hydroxide liquor	50	+	+	+	+	+	+	+	+	o		o		+	+		
Cresol		-	-	+	+	+	+	+	+	-	-	-	-	+	+		
Linseed oil		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Methyl alcohol	100	+	+/o	+	+	+	+	+	+	+	+	+	+	+	+		
Methylene chloride	100	-	-	o/-	-	o/-	-	o/-	-	o	o	o		o	-	+	o
Methyl ethyl ketone	100	-	-	+	o	+	-	+		+		+		-	-		
Milk		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
2-Hydroxypropionic acid	90	+	+	+	+	+	+	+	+	-	-	-	-	+/o	o		
Mineral oils (aromatic free)		+	+	+	+/o	+	+/o	+	+	+	+	+	+	+	+	+	+
Sodium Hydrogen sulfide		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sodium carbonate, aqu		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sodium chloride, aqu		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sodium nitrate, aqu		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sodium thiosulfate		+	+	+	+	+	+	+	+					+	+	+	+
Sodium hydroxide liquor	15	+	+	+	+	+	+	+	+	+		+		+	+		
Sodium hydroxide liquor	60	+	+	+	+	+	+	+	+	o		o		+	o		
Nitrobenzene		-	-	+	+/o	+	+/o	+		o		o		+	o		
Oxalic acid		+	+	+	+	+	+	+	+	o		o		+	o	+	+
Ozone, gas	<0.5 ppm	+	+	-	-	+/o	-	+/o	+	-	-	-	-	+	+	+	+
Paraffin oil	100	+	o	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Perchloroethylene		-	-	o	-	o	-	o	-	o	-	o	-	+	+		
Petroleum ether	100	+	+	+	o	+	o	+	o	+		+					
Petroleum	100	+	+											+	+		
Phenol, aqu	ca. 9	o	-	+	+	+	+	+	+	-	-	-	-	+	+	+	+
Phosphoric acid	50	+	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+
Propyl alcohol		+	o	+	+	+	+	+	+					+	+		
Pyridine		-	-	+	+	+	+/o	+		+	o	+	o	+	-	-	
Nitric acid	10	+	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+
Nitric acid	50	+	+	-	-	o	o/-	o	o/-	-	-	-	-	+	+	+	+
Hydrochloric acid	10	+	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+
Hydrochloric acid	conc.	+	+	+	/o	+	+	+	+	-	-	-	-	+	+	+	+
Carbon disulfide	100	-	-	o	-	o	-			+		+		+			
Sulphuric acid	96	+	+/o	o/-	-	o	-	o	-	-	-	-	-	+	+	+	
Hydrogen sulphide		+	+	+	+	+	+/o	+		+		+		+	+	+	+
Silicone oil		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Food Oil		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carbon tetrachloride		-	-	-	-	o/-	-			+		+		+	+		
Tetrahydrofurane	100	-	-	o/-	-	o/-	-			+		+		o	-	-	-
Toluene	100	-	-	+	-	o/-	-			+	+	+	+	+	+/o	+	+
Transformer oil		+		+	+/	+	+/o	+	+	+	+	+	+	+	+	+	+
Fuel, aromatic free		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Premium fuel		-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trichloroethylene	100	-	-	o	-	+/o	-			+	-	+	-	+	+	+	+
Water		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hydrogen peroxide	10	+	+	+	+	+	+	+	+	+/o	-	+/o	-	+	+	+	+
Xylene		-	-	-	-	-	-	-	-	+	+	+	+	+	+	+/o	+
Citric acid	10	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

*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, suitable for a specific application cannot be inferred from the present data.