

# Chemical Resistance: HiBack Chair Frame

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 <sub>c</sub>	60 <sub>c</sub>	20 <sub>c</sub>	60 <sub>c</sub>	20 <sub>c</sub>	60 <sub>c</sub>	20 <sub>c</sub>	60 <sub>c</sub>	20 <sub>c</sub>	60 <sub>c</sub>	20 <sub>c</sub>	60 <sub>c</sub>	20 <sub>c</sub>	60 <sub>c</sub>	20 <sub>c</sub>	60 <sub>c</sub>	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											●	-	●	●	●						
Pyidine	●	●	●	●	●						-	-	●	-	-	-					
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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