

# Chemical Resistance



	PI	PEK	PEEK	PEI	PPS	PES	PPSU	PSU	PTFE	ETFE	PVDF	PCTFE	PA6 (Nylon)	PA 4/6 or 6/6 (Nylon)	Nylon 11, 12	Cast Nylon 6	PC	PMP	PET/PBT	Acetal	Delrin	PP	PE	ABS	PPE	Acrylic	CAB	PVC	PETG (20°C)
Acetamide 50%									x	x	x		x	x	x					x				x					
Acetic acid, aqueous solution 10 %	x		x	x	x	x	x	x	x		x		-	-	(x)	-	x	x	(x)	x	(x)	x	x	x	x	x	(x)	x	x
Acetic acid, aqueous solution 5 %	x		x		x	x	x	x	x		x		x	x	(x)	x	x	x	x	(x)	(x)	x	x	x	x	x	(x)	x	
Acetic acid, concentrated	(x)		-		x	x		x	x	(x)			-	-	-	-	-	(x)	-	(x)	-	x	x	-	x				x
Acetone	x	x	x		x	-	-	-	x	x	(x)	x	(x)	(x)	(x)	(x)	-	(x)	-	x	x	x	(x)	-	-	-	-	-	-
Ammonia solution 10 %	-	x	x	-	x	(x)		(x)	x	x	x	x	x	x	x	x	-	x	x	x	(x)	x	x	x	x				
Anone						-			x	x	(x)		x	x	x		-				x	x	(x)						
Benzene	x				(x)	x	(x)	-	x	x	x	x	x	x	x		-	-	(x)	x	x	(x)	(x)	-	-	-	-	-	-
Benzine	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	-		x	x	x	(x)	(x)	(x)	-				
Bitumen	x								x				(x)	(x)	(x)		-			x	x	(x)	(x)						
Boric acid, aqueous solution 10 %		x	x			x			x		x		x	x	x	x	x			-	x	x	x	x				x	x
Butyl acetate	x				x	(x)	x	(x)	x	x	x		x	x	x		-	-	x	x	x	(x)	(x)	-					(x)
Calcium chloride, solution 10 %	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	(x)	(x)	x	x	x		x	(x)	x	x
Carbon Tetrachloride	x					x		(x)	x	x	x		x	x	-	x	-		x	x	(x)	-	-	-	-		(x)	(x)	x
Chlorobenzene	x			x	(x)	-			x			x	x	x	x		-	-	-	x	x	x	-	-	-				x
Chloroform	x				(x)	-		-	x	x	(x)		-	(x)	-	-	-	-	-	-	-	(x)	-	-	-	-	-	-	-
Citric acid, aqueous solution 10 %	x	x	x			x	x	x	x	x	x		(x)	(x)	(x)	x	x	x	(x)	-	x	x	x	x	x	(x)	x	x	
Clophenme A60, 50 %									x				x	x	x				x	x	(x)		x						
Cloruro di etilene	x			x					x	x			x	x	(x)	x	-		-	-	-	-	x	(x)	-				
Cupric sulphate 10 %	x	x	x		x	x			x		x	x	x	x	x		x			x	-	x	x	x	x				
Cyclohexane	x				x	x	x	x	x		x	x	x	x	x	x	-			x	x	x	x	x	x				
Cyclohexanone	x				x	-			x	x	(x)		x	x	x		(x)	(x)		x	x	x	x	-	x		-	-	
Decalin	x								x	x			x	x	x	x	(x)	(x)		x	x	x	x	-	x				
Dicthyl phthalate					(x)	x		x	x				x	x	x		(x)	x		x	x	x	x		x				
Diesel oil	x			x	x	x		x	x		x		x	x	x	x	(x)	(x)	x	x	x	(x)	x	x	x	x			x
Dimethyl formamide	(x)				x	-			x	x		x	x	x	(x)	x	-	x		x	-	x	x	-					x
Dioxane	x			x	x	(x)			x		x		x	x	x		-		(x)	(x)	x	x	(x)		(x)				x
Edible fats, Edible oils	x			x	x	x					x		x	x	x	x	x					x	x	x	x				x
Etanolo 96%	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	(x)	x	x	x	x	x	x	x	x	x			
Etilacetato	x			x		-	-	-	x	x	x		x	x	x	x	-	(x)	(x)	(x)	x	x	x		x				
Etiletere	x					x	x	x	x	x	x		x	x	x	x	-		x	x	x	x	x						
Formaldehide, aqueaous solution 30%		x	x	x	x	x	x		x		x	(x)	x	x	(x)	x		x		x	-	x	x	x	x				
Formaldehide, aqueaous solution 40%		x	x	x	x	x	x		x		x	(x)	x	x	(x)	x		x		x	-	x	x	x	x	x	x	x	x
Formamide									x				x	x	(x)						(x)		(x)						

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Formic acid, aqueous solution 10 %	x	x	x	-	x	x			x	x	x	x	-	-	-	-	x	x	x	x	-	x	x	x	x				
Formic acid, aqueous solution 3 %																										-	x	x	
Freon, Frigen, liquid	x	-	-		x	x		x	x	x			x	x	x	x	-		x		x	-	(x)	(x)	x				
Fruit juices	x			x					x				x	x	x	x	-	x	x	x		x	x	x	x			x	x
Glycerine	x			x		x		x	x		x		x	x	x	x	(x)		x	x	x	x	x	x	x	x	x	x	x
Glykol	x	x	x		x	x		x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x			x
Glysantin, aqueous solution 40 %	x	x	x		x	x		x	x	x	x		x	x	x		x		x	x	x	x	x		x				
Heating oil	x				x	x			x		x		x	x	x	x	(x)		x	x	x	(x)	x	x	x				
Heptane, Hexane	x	x	x	x	x	x		x	x			x	x	x	x	x	x	-	x	x	x	x	-	x	x	x			
Hydrochloric acid, aqueous solution 0.4 %																										x	x	x	
Hydrochloric acid, aqueous solution 2 %	x	x	x		(x)	x	x	x	x	x	x	x	-	-	(x)		x	x	x	-	-	x	x	x	x				x
Hydrochloric acid, aqueous solution 4 %	x	x	x		(x)	x	x	x	x	x	x	x	-	-	(x)		x	x	x	-	-	x	x	x	x	(x)	(x)	x	x
Hydrochloric acid, aqueous solution 36 %	-	x	x	x	(x)	x		(x)		x	x	x	-	-	-	-	x	x	-	-	-	x	x	x	x				-
Hydrofluoric acid, 40%								(x)	x	x		x	-	-	-	(x)		-	-	-	-	x	x	(x)	x				-
Hydrogen peroxide, aqueous solution 0.5%	x				x	x		x	x	x	x	x	-	-	-	-	x		x	x	(x)	x	x	x	x		x	x	
Hydrogen peroxide, aqueous solution 30%	-	(x)	(x)		(x)	x		(x)	x	x	x	x	-	-	-	-	x		x	-	-	x	x			x			-
Hydrogen sulphide, saturated		x	x			x			x				x	x	x	(x)	x				-	x	x	-	x	x	x	x	
Ink	x								x		x		x	x	x	x		x				x	x	x					
Iodine solution, alcohol solution	x								x				-	-	-	(x)	x				(x)	x	x	(x)	x	(x)			-
Iso-octane	x			x		x	x	x	x				x	x	x						x	x	x	x	x				x
Isopropanol	x				x	x	x	(x)	x		x	x	x	x	(x)		(x)	x	x	x		x	x	x	(x)	x			-
Lactic acid, aqueous solution 10 %	x	x	x	x	x	x			x		x		x	x	x		x		x	(x)	x	x	x	x	x		x	x	
Lactic acid, aqueous solution 80 %																										(x)			-
Lactic acid, aqueous solution 90 %	x			x	x	(x)			x		x		-	-	(x)		x		x	-	x	x	-	-					
Linseed oil	x				x	x			x		x		x	x	x	x	x	x	x	x	x	x	x	x	x			x	x
Methanol	x				x	x	(x)	x	x		x	x	x	x	(x)	x	-	x	x	x	x	x	x	(x)	x				x
Methyl ethyl ketone	x	x	x	x	x	-	(x)	-	x	x	(x)	(x)	x	x	x	-	(x)	x	(x)	x	(x)	x	x	-	-	-	-	-	-
Methylene chloride	x				(x)	-	-	-	x	x	x	(x)	(x)	(x)	-	-	-	x	-	(x)	(x)	-	(x)	-	-	-	-	-	-
Milk	x					x			x		x		x	x	x	x	x		x		x	x	x	x	x			x	x
Nitric acid, aqueous solution 0.1 %																										x	-	x	x
Nitric acid, aqueous solution 2 %	x	x	x	-	x	x	x	x	x	x	x	x	-	-	-	-	-	x	x	-	-	x	x	x	-				x
Nitric acid, aqueous solution 10 %																												x	x
Nitrobenzene	x				(x)	-			x			x	(x)	(x)	(x)		-	x		(x)	(x)	x	x	-					
Oxalic acid, aqueous solution 10%	x	x	x			x		x	x		x	x	(x)	(x)	x		x	x		-	(x)	x	x	x	x	x		x	

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Ozone	(x)								x		x	x	-	-	-	-	-			-	-		(x)						-
Paraffin oil	x			x		x			x		x	x	x	x	x	x	x		x	x	x	x	x	x	x	(x)			
Perchlorethylene	x				(x)	-	-	-	x		x		(x)	(x)	-		(x)		(x)	x	x	-	-	(x)		-			
Petroleum	x				x				x		x		x	x	x	x	-		x	x	x	x	x	(x)	x	x			x
Phenol, acqueous solution	x				(x)				x		x	x	-	-	-	-	-	x	-	-	-	x	x	(x)		-			
Phosphoric acid, aqueous solution 0.3%																										x	x	x	x
Phosphoric acid, aqueous solution 10%	(x)	x	x	x	x				x			x	-	-	-	-	x	x		(x)	-			x	x	x		x	-
Phosphoric acid, concentrated	(x)	x	x		x			x	x	x	x	x	-	-	-	-			x			x	x	x		-			-
Potassium dichromate, aqueous solution 10 %	-								x		x		x	x	(x)		x	x	x	x	(x)	x	x	x	x				
Potassium lye, aqueous 10 %	(x)				x	x			x	x	(x)	x	x	x	x	x	-	x	-	x	-	x	x	x	x				
Potassium lye, aqueous 50 %	-	x	x		x	x			x		-	x	x	x	x		-	x	-	x	-	x	x	x	x				
Potassium permanganate, aqueous solution 1 %	x	x	x	x	x				x		x		-	-	-	-	x	x	x	x	(x)	x	x	(x)	x				x
Propane	x								x		x		x	x	-	x	x			x	x	x	x	x	x	x		x	x
Pyridine	-			-	(x)	-			x	x	x	x	x	x			-	(x)		x	(x)	(x)	(x)	-					-
Pyridine 3 solution, aqueous solution									x				x	x	x					x	-								
Salicylce acid	x								x		x	x	x	x	x					(x)				x			x	x	
Silicone oils	x					x			x		x		x	x	x	x	x	x	x	x	x	x	x	x	x	-			x
Soap solution, aqueous solution	(x)					x		x	x				x	x	x	x	x	x	x	x	x	x	x	x		x	x		x
Soda lye, aqueous 5%	(x)				x	x		x	x	x	x	x	x	x	x	x	-	x		x	-	x	x		x				
Soda lye, aqueous 50%	-	x	x	-	x	x			x	x	x	x	x	x	x		-	x	-	x	-	x	x	x	x				
Soda solution, aqueous solution 10 %	(x)								x		x	x	x	x	x		x		x		x	x	x	x					
Sodium bisulphite, acqueous solution 10%	x	x	x	x	x				x		x	x	x	x	x		x	x	x	-	-	x	x	x		x			
Sodium carbonate, acqueous solution 10%	(x)	x	x	x	x				x		x		x	x	x	x	x	x	x	x	(x)	x	x	x	x	x			-
Sodium chloride, aqueous solution 10%	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			x
Sodium nitrate, aqueous solution 10%	x				x				x		x		x	x	x			x	x	x	x	x	x	x					x
Sodium nitrate, aqueous solution 50%																										x		x	x
Sodium thiosulphate 10 %	x				x				x		x		x	x	x				x	x	x	x	x	x					x
Styrene	x								x				x	x	x		-				x	(x)	(x)		-		-		x
Sulphur dioxide	x					(x)			x	x	x		x	x	x		-		x	x	x	x	(x)	-		x	(x)	x	-
Sulphuric acid, aqueous solution 2%	x	x	x	x	x	x	x	x	x	x	x	x	-	-	-		x	x	-	x	-	x	x	x	x	x		x	
Sulphuric acid, concentrated 98 %	-	-	-			-	-	-	x	x	(x)	x	-	-	-	-	-	x	-	-	-	x	(x)	-	-	(x)			-
Tar	x			x		x			x				(x)	(x)	(x)						x	x							
Tartaric acid	x	x	x			x			x		x		x	x	x		x			(x)	(x)	x	x	x	x				
Tetrahydrofurane	x			x	x	-			x	x	x	x	x	x	x		-	-	-	(x)	-	(x)	(x)	-					

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Tetralin	x								x				x	x	x		-		x	x	x	(x)	-						x
Toluene	x	x	x	x	(x)	-	(x)	-	x	x	x	(x)	x	x	x	x	-	-	(x)	x	x	x	(x)	-			-	-	x
Transformer Oil	x				x	x	x	x	x		x		x	x	x	x		(x)	x	x	x	(x)	x		x	-			x
Trichlorethylene	x	x	x		(x)	-		-	x		x		(x)	(x)	(x)		-	-	-	-	-	(x)	-	-	-		-	-	-
Triethanolamine	-				(x)				x				x	x	x		-			x	-	x	x	x				x	x
Trilon B, aqueous solution 10 %	x								x				x	x	x														
Urea, aqueous solution	x					x			x				x	x	x		x			x	x	x	x	x	x			x	x
Vaseline	x			x		x			x		x		x	x	x	x	x	x	x	x	x	x	(x)	x				x	
Water, cold	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Water, warm	-	x	x	-	x		(x)	(x)	x	x	x		(x)	(x)	(x)	(x)	(x)	x	-	(x)	-	x	x	x	x	x	x	x	x
Wax, molten	x	x	x	x		x			x	x	x		x	x	x	x	x		x	x	x	(x)	(x)		x				
Wine, Brandy	x					x			x		x		x	x	x	x	x	x		x	x	x	x	x	x			x	
Xylene	x	x	x		x	(x)	x	-	x		x	(x)	x	x	(x)		-	-	(x)	x	x	-	-	-	-	-	-	-	-
Zink chloride, aqueous solution 10%	x	x	x		x	x	x		x	x	x	x	(x)	(x)	(x)		x			x	-	x	x	x	x	x	x	x	x

- x Resistant
- (x) Limited resistance
- Not resistant
- No data available