

# Chemical Resistance

Factors like temperature, concentration of the chemical, duration and mechanical load are important criterions for the examination of chemical resistance.

In the following table, you can see the materials resistance to different chemicals.

These details correspond to the present state of our knowledge and are meant to provide information about our products and their applications. They do not mean that the chemical resistance of products or their suitability for a particular purpose is guaranteed in a legally binding way. Any existing commercial proprietary

rights are to be taken into account. We guarantee perfect quality within the scope of our general terms and conditions.

For specific applications it is recommended to establish suitability first. Standard testing is performed in normal climatic conditions 23/50 according to DIN 50 014.

	SINTIMID (PI)	TECAPEK (PEK)	TECAPEK HT (PEK)	TECAPER (PEK)	TECAPER (PEK)	TECATRON (PPS)	TECASON E (PES)	TECASON P (PPSU)	TECASON S (PSU)	TECAFELON PTFE (PTFE)	TECAFELON ETFE (ETFE)	TECAFELON PVDF (PVDF)	TECAMID 6 (PA 6)	TECAMID 46.66 (PA 46.66)	TECAMID 11.12 (PA 11.12)	TECAST/TECARM (PA 6 G)	TECANAT (PC)	TECAFINE PMP (PMP)	TECADUR PEI/PBT/TECAPER (PET/PBT)	TECAFORM AH (POM-C)	TECAFORM AD (POM-H)	TECAFINE PP (PP)	TECAFINE PE (PE)	TECARM ABS (ABS)	TECANYL (PPE)	
Acetamide 50%																										
Acetone	+	+	+																							
Formic acid, aqueous solution 10%	+	+	+	-	+	+																				
Ammonia solution 10%	-	+	+	-	+	(+)																				
Anone																										
Benzine	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Benzene	+																									
Bitumen	+																									
Boric acid, aqueous solution 10%		+	+																							
Butyl acetate	+																									
Calcium chloride, solution 10%	+	+	+	+	+	+																				
Chlorobenzene	+																									
Chloroform	+																									
Clophene A60, 50%																										
Cyclohexane	+																									
Cyclohexanone	+																									
Decalin	+																									
Diesel oil	+																									
Dimethyl formamide	(+)																									
Dioctyl phthalate																										
Dioxane	+																									
Acetic acid, concentrated	(+)	-																								
Acetic acid, aqueous solution 10%	+																									
Acetic acid, aqueous solution 5%	+																									
Etanolo 96%	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Etilacetato	+																									
Etilere	+																									
Cloruro di etilene	+																									
Hydrofluoric acid, 40%																										
Formaldehyde, aqueous solution 30%		+	+	+	+	+	+																			
Formamide																										
Freon, Frigen, liquid	+	-	-																							
Fruit juices	+																									
Glykol	+	+	+																							
Glycantin, aqueous solution 40%	+	+	+																							
Glycerine	+																									
Urea, aqueous solution	+																									
Heating oil	+																									
Heptane, Hexane	+	+	+	+	+	+																				
Iso-octane	+																									
Isopropanol	+																									
Iodine solution, alcohol solution	+																									
Potassium lye, aqueous 50% <sup>1)</sup>	-	+	+																							
Potassium lye, aqueous 10%	(+)																									
Potassium dichromate, aqueous solution 10%	-																									
Potassium permanganate, aqueous solution 1%	+	+	+	+	+																					
Cupric sulphate 10%	+	+	+																							

