



## Химическая стойкость пластмасс

• Résistance Chimique • Chemischer Widerstand • Resistencia Química • Resistenza Chimica

CHEMICAL NAME	CONCENTRATION	TEMPERATURE	PA6, KAPROLON	POM C Polyacetal	POM H Polyacetal	PET
Acetone	100	RT	A	A	A	B
Acetylchloride	100	RT	C	C		
Acetylene	100	RT	A	A	-	A
Alkylbenzonic	100	RT	A	A		
Aluminium Salt of Mineral Acids	20	RT	B	B		A
Benzene	100	RT	A	A	A	A
	100	65	A	A	A	C
	100	80	A	A		C
Boric Acid	10	RT	B	B		A
Bromine	100	RT	C	C		C
Bromine Liquid	100	RT	C			
Bromine Water	SS	RT	C	C		
Butadiene	100	RT	A	A		A
Butane	100	RT	A	A		A
Butyl Glycol	100	RT	A	A		A
Calcium Carbonate	SS	RT		A		
Calcium Chloride	SS	RT	B	A	-	A
	SS	100	C	A		
Calcium Hydroxide	10	RT	A	A	A	A
	SS	RT	A	A		A
Carbon Dioxide	UD	RT	A	A	A	A
Chlorine (liquid)	100	RT	C	C		
Chlorine (gas)	100	RT	C	C		
Chlorobenzene	100	RT	A	A		A
	100	50	A	A		C
Chloroform	100	RT	C	C		C
Chlorosulfonic Acid	10	RT	C	C		C
Chromyl Chloride	100	RT	C	C		C
Citric Acid	10	RT	B	A	A	A
	10	50	B	C		
Cyclohexane	100	RT	A	A		A
Detergent Solutions	100	RT	A	A	A	A
	100	80	A	A		B
Development Liquid	CA	RT	A	A		A
Dichlorobenzene	100	RT	A			
Dichloroethane	100	RT	A	A		C
Dichlorotetrafluoroethane	100	RT	A	A		A
Diesel	CA	RT	A	A		A
	CA	85	A	A		A
Diethyl Glycol	100	RT	A	A		A
Dimethyl Ether	100	RT	A	A		A
Dimethylformamide	100	RT	A	A	A	A
Ethane	100	RT	A	A	A	A
Ethene	100	RT	A	A		A
Ethyl Acetate	100	RT	A	A	A	A
Ethyl Alcohol	40	RT	A	A	A	A
Ethyl Chloride	100	RT	B	A		
Ethylene Glycol	100	RT	A	A	B	A
	100	60		B		B
	100	100	C			
Fat (Vegetable Oil)	CA	RT	A	A	A	A
Fatty Acids	5	RT	A	A	A	A
	UD	RT	A	A		A

CHEMICAL NAME	CONCENTRATION	TEMPERATURE	PA6, KAPROLON	POM C Polyacetal	POM H Polyacetal	PET
Formaldehyde (aq)	30	RT	B	A	A	A
Formaldehyde (gas)	100	RT	A	A	A	A
Formic Acid	2	RT	B	A		A
	2	100	C	C		
	100	RT	O	C	C	B
Fruit Juice	CA	RT	A	A		A
Fuel Oil	CA	RT	A	A	A	A
Gas (Natural Gas)	CA	RT	A	A	A	A
Glycerine	UD	RT	A	A		A
Helium	100	RT	A	A	A	A
Heptane	100	RT	A	A	A	A
Hexane	100	RT	A	A	A	A
Hydraulic Oils	CA	RT	A	A	A	A
	CA	80	A	A		A
	CA	100	A	A		A
Hydrazine	100	RT		A		
Hydrobromic Acid	10	RT	C	C		C
Hydrochloric Acid	1	RT	B			
	2	RT	B	C		A
	2	100	C	C		
	10	RT	C	C	C	A
	10	60	C	C	C	B
	10	80	C	C	C	C
	20	RT	C	C	C	B
	20	100	C	C	C	C
	30	RT	O	C	C	C
Hydrofluoric Acid	5	RT	C	C		A
	5	60	C	C		B
	50	RT	C	C		C
Hydrogen	100	RT	A	A	A	A
Hydrogen Chloride	100	RT	C	C		C
Hydrogen Peroxide	1	RT	C	A	A	A
	30	RT	C	B	A	A
	50	RT	C	C	A	
	100	RT	C	C	C	
Hydrogen Sulphide (aq)	10	RT	A	A		A
Hydrogen Sulphide (gas)			B	B		B
Inert Gases	100	RT	A	A	A	A
Iodine	100	RT	C			
Isocyanate	100	RT	A	A		A
Isopropyl Alcohol	100	RT	A	A		B
Kerosene	CA	RT	A	A	A	A
	CA	60	A	A		A
	CA	85	A	A		A
Ketones (aliphatic)	100	RT	B	A		C
Lactic Acid	10	RT	A	A		A
	10	60		B		
	90	RT	C	A		
	90	60	C	C		
Lubricating Greases	CA	RT	A	A	A	A
	CA	110	A	A		A
Lubricating Oils	CA	RT	A	A	A	A

- A Resistant - Little change in weight or dimensions, small effect on mechanical properties  
 B Partially Resistant - Slow deterioration in mechanical properties overtime. Short exposure may be allowable.  
 C Non Resistant - After a short period of time the mechanical properties of the material are seriously affected.  
 O Dissolves  
 RT Room Temperature (23°C)  
 CA Commercially Available

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CHEMICAL NAME	CONCENTRATION	TEMPERATURE	TEMPERATURE			
			PA6, KAPROLON	POM C Polyacetal	POM H Polyacetal	PET
Methane	100	RT	A	A	A	A
Methyl Chloride	100	RT	B	B	A	C
Milk	CA	RT	A	A	A	A
Mineral Oils	CA	RT	A	A	A	A
Motor Oils HD	CA	130	A	A		A
Naphtha	CA	RT	A	A		A
Naphthalene	100	RT	A	A		A
Naphthalenesulphonic Acid	100	RT	C	C		
Nickel Salts	10	RT	A	A		
Nitric Acid	1	RT	B			A
	2	RT	C	C		A
	5	RT	C	C		A
	10	RT	C	C	C	A
	10	60	C	C	C	C
	50	RT	O	C	C	C
Nitrobenzene	100	RT	B	B		B
	100	80	C			
Nitrogen	100	RT	A	A	A	A
Nitromethane	100	RT	B			
Nitrotoluene	100	RT	B	B		A
Octane	100	RT	A	A		A
Octene	100	RT	A	A		A
Oils (Ethereal)	CA	RT	A	A	A	A
Oils (Mineral, Vegetable)	CA	RT	A	A	A	A
Oleic Acid	100	RT	A	A		A
Oleum	100	RT	O	C		C
Oxalic Acid	10	RT	B	C		A
	100	RT		C		
Oxygen	100	RT	A	A	A	A
Ozone	UD	RT	C	C		B
	20ppm	RT	B	B		A
Paraffin	CA	RT	A	A		A
Paraffin Oil	CA	RT	A	A	A	A
Petrol	CA	RT	A	A	A	A
	CA	65	A	A	A	A
	CA	80	A	A	A	A
Phenol	5	RT	C			
	75	RT	O			
	90	RT	O	C	C	C
Phosphoric Acid	1	RT	B			
	3	RT	C			A
	3	80	C			A
	10	RT	C	A	C	A
	25	RT	C	B	C	A
	25	60	C	C	C	A
	50	RT	C	C	C	A
	85	RT	O	C	C	B
	85	60	O	C	C	C
Propane	100	RT	A	A	A	A
Propene	100	RT	A	A	A	A
Propionic Acid	5	RT	A	A		A
	10	RT	C	B		A
	50	RT	C	C		

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			PA6, KAPROLON	POM C Polyacetal	POM H Polyacetal	PET
Propylene Alcohol	100	RT	A	A		A
	100	100	O			
Pyridine	UD	RT	A	B	B	
	UD	80	B			
Resorcinol	UD	RT	C		C	
Resorcinol in Ethanol	50	RT	O			C
Sodium Acetate	10	RT	A	A		A
Sodium Bicarbonate	10	RT	A	A		A
Sodium Carbonate	10	RT	A	A	A	A
Sodium Chloride	10	RT	A	A	A	A
Sodium Hydroxide	1	RT	A	A	B	A
	1	60		A	C	B
	10	RT	A	A	C	B
	10	80	C	A	C	C
	20	RT	A	A	C	
	20	100	C	A	C	C
	30	80	C	A	C	C
	50	RT	A	A	C	C
Sodium Hypochlorite	5	RT	B			A
	10	RT	C	C	C	B
	30	RT	C	C	C	
Steam	UD	>100	C	B		C
Sulphur Dioxide	100	RT	B	C		
Sulphuric Acid	1	RT		A	C	A
	5	RT	C	A	C	A
	10	RT	C	B	C	A
	10	60	C	C	C	A
	50	RT	C	C	C	
	50	100	C	C	C	
	80	RT	O	C	C	C
Tetrachloromethane	100	RT	A	B	A	A
	100	60	A	B	A	C
Toluene	100	RT	A	A	B	A
	100	50	A	A	B	
	100	65	A	A	C	
	100	100	A	A	C	C
Trichloroethane	100	RT	A	A		A
Trichloroethylene	100	RT	B	B	B	B
	100	60	C	B		
	100	80	C	C		C
Turpentine Oil	CA	RT	A	A	A	A
Urea	5	RT	A	A	A	A
Uric Acid	10	RT	A	A		A
Urine	100	RT	A	A		A
Vinegar	CA	RT	C	A		A
Vinyl Chloride	100	RT	A	A		A
White Spirits	CA	RT	A	A		A
Wine and Spirits	CA	RT	B	A		A
Zinc Chloride	5	RT		A	C	A
	10	RT	B	A	C	A
	40	RT	C	B	C	A
	50	RT	C		C	A
	50	100	C	C	C	

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