



## Chemical resistance of polyurethane

Distributed by:

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INC.

### Inorganic acids

● Sulfuric acid (<10%)	+
● Sulfuric acid (con.)	-
● Hydrochloric acid (<10%)	+
● Hydrochloric acid (con.)	-
● Nitric acid (<5%)	+
● Nitric acid (5-25%)	-
● Nitric acid (25-50%)	-
● Phosphoric acid (<50%)	-
● Hydrofluoric acid (<30%)	-
● Chromium trioxide (sol.)	-

### Inorganic acids

● Acetic acid (<10%)	+
● Butyric acid (<20%)	++
● Butyric acid (con.)	++
● Citric acid (sol.)	+
● Lactic acid (<10%)	+
● Formic acid (<10%)	-
● Oxalic acid	-

### Bases

● Ammonium hydroxide (<5%)	+
● Ammonium hydroxide (con.)	-
● Barium hydroxide (sol.)	-
● Calcium hydroxide (sol.)	-
● Magnesium hydroxide (sol.)	-
● Sodium hydroxide (<50%)	-

### Salt in solution

● Aluminium acetate	++
● Aluminium chloride	+
● Ammonium hydrogen carb.	
● Ammonium chloride	+
● Ammonium sulfide	++
● Antimony trichloride	+
● Barium chloride	++
● Potassium carbonate	-
● Potassium nitrate	+
● Potassium permanganate	+
● Lead acetate	+
● Lead nitrate	+
● Magnesium carbonate	+
● Magnesium chloride	++
● Mercurichloride	+
● Sodium acetate	-
● Sodium chlorate	+
● Sodium chloride	+++
● Sodium fluoride	+++
● Sodium hypochlorite	-
● Nickel sulfate	+
● Stannic chloride	+
● Silver nitrate	+
● Zinc chloride	+
● Zinc sulfide	++

### Esters

● Amylacetate	+
● Dibutylphthalate	++
● Dioctylphthalate	++
● Ethyl acetate	+
● Ethyl formate	+
● Methyl formate	+

### Ethers

● Dibenzyl ether	+
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### Amines

● Triethanol amine	+
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### Mineral oils and fats

● Engine oil	+++
● Cutting oil	+++
● Mineral oil	+++
● Boarding oil	+++
● Citrus oil (D-limonene)	-

### Vegetable/animal oils & fats

● Margarine	+++
● Mayonnaise	+++
● Lactic	+++
● Butter	+++
● Pine oil	+++
● Bean oil	+++
● Coconut oil	+++
● Fish oil	+++
● Beef suet	+++
● Higher alcohols	+++
● Higher fatty acids	+++

### Hydrocarbons

● Xylene	++
● Gasoline	+++
● Cyclohexane	++
● Kerosene	+++
● Naptha	++
● Petroleum	++
● Refined petrol	+++

### Alcohols

● Butyl alcohol	+++
● Hexyl alcohol	+++
● Isopropyl alcohol	+++
● Methyl alcohol	+++
● Octyl alcohol	+++
● Diethylene glycol	+++
● Glycerine	+++

### Chlorinated hydrocarbons

● Methylene chloride	+
● Trichloro ethylene	+
● Tetrachloro ethylene	+

### Aldehydes

● Acetaldehyde	-
● Benzaldehyde	-
● Formaldehyde	-

### Ketones

● Acetone	+
● Cyclohexanone	-
● Methyl ethyl ketone	+

### Miscellaneous

● Detergents	++
● Sugar solution	+++
● Paint remover	-

excellent	+++
good	++
fair	+
not recommended	-