

Technical Information



Chemical Resistance of Epilox® - Products

Reported as percent weight change of immersed samples 50 x 50 x 3 mm at 25 °C after 14 days.

+ resistant O less resistant - not resistant

Note: The column "Epilox® - products, general resistance" is predominantly true for combinations of reactive diluted epoxy resins and formulated hardeners like Epilox®- hardener H 10-41, Epilox®- hardener M 1128, Epilox®- hardener M 1131-1, Epilox®- hardener M 1142.

Medium	Epilox® - products, general resistance	Epilox® T 19-36/1000 + Epilox® - hardener H 10-31	Epilox® M 1049 + Epilox®- hardener H 10-69
Acetic acid (1 %)	+	O	+
Acetic acid (5 %)	+	-	+
Acetic acid (10 %)	+	-	+
Acetic acid (30 %)	O	-	
Acetic acid (60 %)	O	-	O
Acetic acid (80 %)	-	-	
Acetone	-	-	
Aluminium trihydrate	+	+	+
Amines, e.g. dipropylene tria- mine	-	-	
Ammonia (10 %)	+	O	+
Ammonia (25 %)	+	O	+
Antifreeze fluid (glycol-containing)	+	+	+
Aromatic hydrocarbons	+	O	+
Bear	+	+	+
Benzen	+	O	+
Boric acid (3 % at 30 °C)	+	O	+
Butanol	+	O	+
Butyl acetate	O	-	
Butyric acid (1 %)	+	O	+
Castor oil	+	+	+
Chalk	+	+	+
Chlorbenzene	O	+	O
Chloroform	-	-	
Chromic acid (5 %)	+	O	+
Chromic acid (10 %)	+	O	+
Chromic acid (20 %)	+	O	+
Chromic acid (40 %)	+	O	+
Citric acid (30 %)	+	+	+
Codliver oil	+	+	+
Crude oil	+	+	+

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Medium	Epilox® - products, general resistance	Epilox® T 19-36/1000 + Epilox® - hardener H 10-31	Epilox® M 1049 + Epilox®- hardener H 10-69
Cyclohexane	+	+	+
Developing bath (1 : 10 in water)	+	+	+
Dibutyl ether	+	+	+
Dibutyl phthalate	+	+	+
Diesel fuel	+	+	+
Dioctyl phthalate	+	+	+
Ethanol	-	-	
Ethanol (10%)	O	+	
Ethyl acetate	O	-	
Ethylene glycol	+	-	+
Fatty acid (from tall oil)	+	+	+
Formaldehyde (35 %)	+	+	+
Gasoline	+	+	+
Glycerol	+	+	+
Grape juice, 20 °C	+	+	+
Grape juice, 80 °C	+	+	+
Heptane	+	+	+
Hexane	+	+	+
Hydrochloric acid (5 %)	+	+	+
Hydrochloric acid (10 %)	+	+	+
Hydrochloric acid (20 %)	+	+	+
Hydrochloric acid (30 %)	+	-	+
Hydrochloric acid (37 %)	O	-	
Hydrogen peroxide (3 %)	+	+	+
Isopropanol	O	-	
Jet fuel	+	+	+
Lactic acid (1 %)	+	O	+
Lard	+	+	+
Linseed oil	+	+	+
Lubricants	+	+	+
Methanol	-	-	
Methylene chloride	-	-	
Methylisobutylketone	O	-	
Milk	+	+	+
Mineral oil	+	+	+
Molasses, high-viscous	+	+	+
Nitric acid (5 %)	+	+	+
Nitric acid (10 %)	O	-	+
Nitric acid (20 %)	O	-	+
Nitric acid (30 %)	O	-	-
Nitric acid (40 %)	-	-	-
2-Nitropropane	O	O	
Olive oil	+	+	+

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Medium	Epilox® - products, general resistance	Epilox® T 19-36/1000 + Epilox® - hardener H 10-31	Epilox® M 1049 + Epilox®- hardener H 10-69
Oxalic acid	+	-	+
Perchloroethane	+	O	+
Petroleum	+	+	+
Phenol	-	-	
Phosphoric acid (5 %)	+	-	+
Phosphoric acid (10 %)	+	-	+
Phosphoric acid (20 %)	O	-	
Phosphoric acid (45 %)	O	-	
Phosphoric acid, conc.	-	-	
Plant oils, general	+	+	+
Potassium hydroxide	+	+	+
Propyl acetate	O	-	
Propylalkohol	O	-	
Silicon oil	+	+	+
Snow	+	+	+
Sodium carbonate	+	+	+
Sodium chloride (3 %)	+	+	+
Sodium chloride (30 %)	+	+	+
Sodium chloride, conc.	+	+	+
Sodium hydroxide (10 %)	+	+	+
Sodium hydroxide (30-40 %)	+	+	+
Sodium hydroxide (50 %, 50 °C)	+	+	+
Sodium hypochlorite (16 %, +12 % NaCl)	O	O	
Styrene	O	-	
Sulfuric acid (5 %)	+	O	+
Sulfuric acid (10 %)	+	O	+
Sulfuric acid (20 %)	+	O	+
Sulfuric acid (30 %)	O	O	+
Sulfuric acid (60 %)	O	O	+
Sulfuric acid (78 %)			+
Sulfuric acid (80 %)	-	-	+
Sulfuric acid, conc.	-	-	O
Tetrachloromethane	+	-	+
Toluene	-	-	
Transmission fluid (Aerosafe 2300)	+	O	+
Transmission fluid (Skydrol B 500)	+	O	+
Trichloroethylene	-	-	
Turpentine	+	O	
Varnish diluent (gasoline)	+	+	+
Vegetable fluids	+	+	+

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Medium	Epilox® - products, general resistance	Epilox® T 19-36/1000 + Epilox® - hardener H 10-31	Epilox® M 1049 + Epilox®- hardener H 10-69
Waste water	+	O	+
Water + 5 % detergent	+	+	+
Water, 100 °C	+	+	+
Water, dist.	+	+	+
Whiskey	-	-	
Wine	+	+	+
Xylene	+	O	O

The information given in these data is based on the testing methods established by Leuna-Harze GmbH and on the knowledge of the characteristics of Epilox®-resins and Epilox®-hardeners and is given in good faith. No liability is accepted by Leuna-Harze GmbH for any system or application in which Epilox®-resins and Epilox®-hardeners are utilized.

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