VESCONITE
BEARINGS

Established **1958**

CHEMICAL RESISTANCE CHART

Resistance at 25°C (77°F) for Vesconite, Vesconite Hilube and Superlube. This chemical resistance chart is given as a guide only.

Vesconite has a wide range of chemical resistance, including resistance to many acids, mild alkalis, organic chemicals, solvents, hydrocarbons, oils and fuels. The resistance data are estimates. The aggressiveness of the chemical solutions generally increases with higher concentrations and rising temperatures. While general guidelines may be provide every application needs to be considered individually. It is recommended that the resistance be checked in practical field tests in the solutions in question.

RESISTANT PARTLY RESISTANT NOT RESISTANT

CHEMICAL	%	
Acetaldehyde		✓
Acetic acid	10	✓
Acetic acid	100	/
Acetic anhydride		✓
Acetone		✓
Acetonitrile		/
Acetophenone		/
Acetyl chloride		/
Aluminium chloride	10	✓
Aluminium sulphate	50	✓
Ammonia	*Conc*	✓
Ammonium hydroxide	10	/
Ammonium sulphate	50	✓
Amyl acetate		/
Amyl alcohol		✓
Aniline		✓
Anti freeze		✓
Aqua regia		✗
ASTM oils		✓
Barium chloride		✓
Barium salts		✓
Benzaldehyde		✓
Benzene		✓
Benzyl alcohol		✓
Benzyl chloride		✓
Bleaching lye		✓

CHEMICAL	%	
Bleaching solution		✓
Boric acid		✓
Brake fluid		✓
Bromine		/
Butane		✓
Butanol		✓
Butyl acetate		✓
Butyl amine		/
Butyl chloride		/
Butyric acid		✓
Calcium chloride		✓
Calcium hypochlorite		✓
Calypsol greases		✓
Carbon disulphide		✓
Carbon tetrachloride		✓
Castor oil		✓
Cellosolve		✓
Chloride of lime		✓
Chlorine (gas-dry)		✓
Chlorine dioxide		✓
Chlorine in water		/
Chloroacetic acid		/
Chlorobenzene		✓
Chloroform		/
Chlorosulfonic acid		✗
Chromic acid	40	✓

CHEMICAL	%	
Citric acid	10	✓
Copper sulphate		✓
Cottonseed oil		✓
Cresol		✗
Cyclohexane		✓
Cyclohexanol		✓
Cyclohexanone		✓
Decalin		/
Detergents	25	✓
Dibutyl phthalate		✓
Diesel		✓
Diethyl ether		✗
Diethylene amine		✓
Diethylene glycol		✓
Dimethyl formamide		✓
Dioctyl phthalate		/
Dioxane		✓
Ethanol		✓
Ether		✓
Ethyl acetate		✓
Ethyl alcohol		✓
Ethyl chloride		✓
Ethylene dichloride		/
Ethylene glycol		✓
Ferric chloride		✓
Fixer solution		✓

RESISTANT | PARTLY RESISTANT | NOT RESISTANT

CHEMICAL	%	
Fluorine *(gas)*		✗
Formaldehyde		✓
Formic acid	10	✓
Formic acid	90	/
Freon		✓
Furfural		/
Gasoline		✓
Glycerine		✓
Glycerol		✓
Glycol		✓
Grease		✓
Heptane		✓
Hexane		✓
High octane petrol		✓
Hydrobromic acid	50	✓
Hydrochloric acid	36	✓
Hydrochloric acid	100	✗
Hydrofluoric acid	5	✓
Hydrofluoric acid	40	/
Hydrofluoric acid	50	✗
Hydrogen peroxide	35	✓
Hydrogen sulphide (gas)		✓
Ink		✓
Iodoacetic acid		/
Isopropanol		✓
Kerosene		✓
Linseed oil		✓
Lubricating oil		✓
Magnesium chloride		✓
Methanol		✓
Methyl alcohol		✓
Methyl ethyl ketone		✓
Methyl glycol		✓
Methylene chloride		✗
Mineral oils		✓
n-Hexane		✓
Nickel chloride		✓

CHEMICAL	%	
Nitric acid	10	✓
Nitric acid	40	✗
Nitrobenzene		✓
Octane		✓
Oil of cloves		✓
Oleic acid	100	✓
Olive oil		✓
Oxalic acid		✓
Ozone (gas)		/
Paraffin		✓
Perchloroethylene		✓
Petrol		✓
Phenol		/
Phosphoric acid	30	✓
Potassium bichromate	10	✓
Potassium bromide		✓
Potassium carbonate		✓
Potassium hydroxide	1	✓
Potassium hydroxide	10	/
Potassium hydroxide	60	✗
Potassium permanganate	25	✓
Potassium sulphate		✓
Propane		✓
Propanol		✓
Propyl alcohol		✓
Pyridine		✗
Rapeseed oil		✓
Silicone fluids		✓
Silver nitrate		✓
Soap solutions	1	✓
Sodium bicarbonate	10	✓
Sodium borate		✓
Sodium carbonate	20	✓
Sodium chloride	25	✓
Sodium hydroxide	1	✓
Sodium hydroxide	10	/
Sodium hydroxide	60	✗

CHEMICAL	%	
Sodium hypochlorite	20	✓
Sodium nitrate	10	✓
Stannic chloride		✓
Stearic acid		✓
Sucrose		✓
Sulphur dioxide (gas)		✓
Sulphuric acid	10	✓
Sulphuric acid	70	/
Sulphuric acid	96	✗
Tea		✓
Tetrahydrofurane		✓
Tetralin		✓
Toluene		✓
Transformer oil		✓
Trichloroacetic acid		✗
Trichloroethane		✗
Trichloroethylene		/
Tricresyl phosphate		✓
Triethanol amine		✓
Triethylene glycol		✓
Turbo oil		✓
Turpentine		✓
Urea		✓
Vaseline		✓
Vegetable oils		✓
Vinyl chloride		✓
Water		✓
Water (Sea)		✓
Wine		✓
Xylene		✓
Zinc chloride		✓
Zinc sulphate		✓