

Silicone

Chemical resistance chart

ACIDS

Acid	Resistance
Acetic acid 5%	Good
Concentrated acetic acid	Good
Hydrochloric acid 10%	Good
Concentrated Hydrochloric acid	Good
Chromic acid 10%	Good
Chromic acid 50%	Good
Citric acid	Good
Formic acid below 87%	Good
Nitric acid 10%	Good
Concentrated nitric acid	Mediocre
Oleic acid	Good
Oxalic acid	Good
Phosphoric acid 10%	Good
Concentrated Phosphoric acid	Quite Good
Stearic acid	Good
Sulphuric acid 10%	Good
Concentrated Sulphuric acid	Bad

ALKALIS

Alkali	Resistance
Ammonia 10%	Good
Concentrated Ammonia	Good
Potash 10%	Good
Potash 50%	Good
Caustic Soda 10%	Good
Caustic Soda 50%	Good

SALINE SOLUTIONS

Saline Solution	Resistance
Ammonium acetate	Good
Ammonium carbonate	Good
Barium chloride	Good
Calcium carbonate	Good
Calcium chloride	Good
Calcium Hypochlorite	Good
Iron sulphate	Good
Potassium chloride	Good
Sodium disulphate	Good
Sodium disulphite	Good
Sodium carbonate 2%	Good
Sodium chloride below 23%	Good
Sodium cyanide	Good
Sodium trisulphate	Good

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SOLVENTS

Solvent	Resistance
Butyl acetate	Quite Good
Acetone	Quite Good
Amyl Alcohol	Good
Butyl Alcohol	Quite Good
Isopropyl Alcohol	Mediocre
Methyl Alcohol	Good
Diacetone Alcohol	Mediocre
Essence	Mediocre
Turpentine	Mediocre
Ether	Mediocre
Carbon tetrachloride	Mediocre
White Spirit	Mediocre

OTHER CHEMICAL AGENTS

Agent	Resistance
Liquid ammonia	Good
Aniline	Good
Phthalic anhydride	Good
Sulphur anhydride	Mediocre
Bromium	Quite Good

OTHER CHEMICAL AGENTS

Agent	Resistance
Chlorine	Good
Chlorine water	Good
Phtalic dibutyl	Good
Dichlorobenzene	Good
Diphenyl chloride	Good
Water at room temperature	Good
Boiling water	Good
Water vapour	Good
Hydrogen peroxide 80-85%	Good
Ethylene glycol	Good
Ethylene oxide	Good
Freon 12	Mediocre
Freon 114	Mediocre
Glycerine	Good
Methyl chloride	Mediocre
Nitrocellulose	Good
Paraffin	Mediocre
Pentachlorophenol 10% (in alcohol)	Good
Phenol 85%	Good
Phosphate trichloride	Mediocre
Silicon Tetrachloride	Mediocre
Tricresyl phosphate	Good