

Chemical Resistant Industrial Grade RTV Silicone Sealants

Typical Properties of AG 300 - RTV 382 - XTS 320

This list does not pretend to be exhaustive but does give an indication of the typical resistance of our RTV silicone rubbers to various common chemicals, solvents, foodstuffs etc. It is the customer's responsibility to satisfy himself that each product is fit for purpose for which he intends to use it.

Important note on fuels: Silicones display good resistance to petroleum and diesel during intermittent contact but are not recommended for continuous exposure over long periods.

Key: R= Good Resistance ND = No Data X = Not recommended for Continuous Exposure

Chemical	20°C	60°C	100°C	Chemical	20°C	60°C	100°C
Acetaldehyde	R	R	R	Caustic Soda Potash	R	R	R
Acetic Acid 10%	R	R	R	Chlorates of Na, K, Ba	R	R	R
Acetic Acid (glacial & anhydrous)	R	R	R	Chlorine (dry)	R	R	R
Acetic Anhydride	R	R	R	Chlorine (wet)	R	R	R
Acetone	R	R	R	Chlorides of Na, K, Mg	R	R	R
Other Keytones	R	R	R	Chloroacetic Acid	R	R	R
Acid Fumes	R	R	R	Chlorobenzene	R	R	ND
Alcohols (mostly fatty)	R	R	R	Chloroform	R	R	ND
Aliphatic Esters	R	R	R	Chromic Acid 80%	R	R	R
Alkyl Chlorides	R	R	R	Citric Acid	R	R	R
Alum	R	R	R	Copper Salts (most)	R	R	R
Aluminium Chloride	R	R	R	Cresylic Acid	R	R	R
Ammonia (anhydrous) gas ok	R	ND	ND	Cyclohexane	R	ND	ND
Ammonia (aqueous)	R	R	R	Detergents (synthetic)	R	R	R
Ammonium Chloride	R	R	R	Emulsifiers (all conc.)	R	R	R
Amyl Acetate	R	R	R	Ether	X	X	X
Aniline	R	R	R	Fatty Acids >C6	R	R	R
Antimony Trichloride	R	R	R	Aerosols eg. Freon	R	ND	ND
Aqua Regia	X	X	X	Fluorine (dry + wet)	X	X	X
Aromatic Solvents	R	R	R	Fluosilicic Acid	R	R	R
Beer	R	R	R	Formaldehyde	R	R	R
Benzoic Acid	R	R	R	Formic Acid	R	ND	ND
Boric Acid	R	R	R	Fruit Juices	R	R	R
Carbonic Acid	R	R	R	Gelatine	R	R	R
				Glycerine	R	R	R
				Glycols	R	R	R



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Chemical	20°C	60°C	100°C	Chemical	20°C	60°C	100°C
Hydrobromic Acid 50%	X	X	X	Paraffin Wax	R	R	R
Hydrochloric Acid 10%	R	R	R	Phenol	R	R	R
Hydrochloric Acid (conc)	R	X	X	Phosphoric Acid 35%	R	R	R
Hydrofluoric Acid 40%	ND	X	X	Phosphoric Acid 50%	R	R	R
Hydrofluoric Acid 75%	X	X	X	Phosphoric Acid 95%	R	R	R
Hydrogen Peroxide 30%	R	R	R	Phosphorous Pentoxide	R	R	R
Hydrogen Peroxide 30-90%	R	R	R	Phthalic Acid	R	R	R
Hypochlorites	R	R	R	Sea Water	R	R	R
Lactic Acids 100%	R	R	R	Silicic Acid	R	R	R
Lead Acetate	R	R	R	Silicone Fluids	R	R	R
Lime (CaO)	R	R	R	Silver Nitrate	R	R	R
Maleic Acid	R	R	R	Sodium Carbonate	R	R	R
Meat Juices	R	R	R	Sodium Peroxide	R	R	R
Mercuric Chloride	R	R	R	Sodium Sulphide	R	R	R
Mercury	R	R	R	Stannic Chloride	R	R	R
Milk and its products	R	R	R	Starch	R	R	R
Moist Air	R	R	R	Sugar, Syrups & Jams	R	R	R
Molasses	R	R	R	Sulphates	R	R	R
Naptha	R	R	R	Sulphites	R	R	R
Napthalene	R	R	R	Sulphur	R	R	R
Nickel Salts	R	R	R	Sulphur Dioxide (dry & wet)	R	R	ND
Nitrates Na, K, NH ³	R	R	R	Sulphur Trioxide	R	R	R
Nitric Acid 25%	R	R	R	Sulphuric Acid 50%	R	R	R
Nitric Acid 50%	R	X	X	Sulphuric Acid 95%	X	X	X
Nitric Acid 95% fuming	R	X	X	Sulphuric Acid (fuming)	X	X	X
Oils (essential)	R	R	R	Sulphur Chlorides	X	X	X
Oils (mineral)	R	R	R	Tallow	R	R	R
Oils (vegetable & animal)	R	R	R	Tannic Acid 10%	R	R	R
				Tartaric Acid 10%	R	R	R
				Yeast	R	R	R
				Zinc Chloride	R	R	R



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