

## Resistance list

The following list shows the media resistance of the silicones mentioned in the header to chemicals, gases and other commonly occurring substances.

### Explanation of symbols:

+	=	resistant (tested up to 7 days exposure at room temperature)
0	=	conditionally resistant (stable against exposure for 1 (to 2) days)
-	=	unstable
nb	=	no information

The resistance of the products to chemicals can be influenced by numerous factors (including temperature, exposure time, and possibly pressure). For this reason, we recommend that, in case of doubt, you always carry out your own preliminary tests under the specific conditions.

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## Resistance to chemicals

Acetaldehyde	Discoloration possible	Discoloration possible
Acetic acid 30%	+	+
Acetic acid 5%	+	+
Air - below 300°F	Becomes brittle	becomes brittle
Aluminum bromide	+	+
Aluminum phosphate	+	+
Aluminum salt	+	+
Aluminum sulfate	+	+
Alum-NH <sub>3</sub> Cr-K	+	+
Ammonia gas, cold	+	+
Ammonia gas, hot	nb	nb
Ammonium hydroxide, 10%	+	+
Ammonium phosphate	+	+
Aroclor 1260	nb	nb
Arsenic acid	nb	nb
ASTM Oil#1	nb	nb
Barium chloride	+	+
Barium hydroxide (5%)	+	+
Barium salt	+	+
Barium sulfate	+	+
Barium sulfide	Discoloration possible	Discoloration possible
Beet sugar	+	+
Blast furnace gas, blast furnace gas	nb	nb
Boric acid	nb	nb
Butter	Discoloration possible	Discoloration possible
Calcium carbonate	+	+
Calcium chloride	+	+
Calcium cyanide	+	+
Calcium hydrogen sulfite	+	+
Calcium hydroxide (5%)	+	+
Calcium phosphate	+	+
Calcium sulfite	+	+
Calcium thiosulfate	nb	nb
Carbon monoxide	+	+
Carbonic acid	+	+
Castor oil	nb	nb
Cellugard	nb	nb
Cellulube 90, 100, 150	nb	nb
Chlorox	nb	nb

Chromalaun	+	+
Citric acid	n.b.	n.b.
Cobalt chloride, 2N	Discoloration possible	Discoloration possible
Coconut oil	nb	nb
Coffee	Discoloration possible	Discoloration possible
Copper chloride	+	+
Copper cyanide	nb	nb
Copper salt	Discoloration possible	Discoloration possible
Copper sulfate (10 %)	Discoloration possible	Discoloration possible
Corn oil	nb	nb
Cottonseed oil	nb	nb
denatured alcohol	0	+ (swelling possible, but reversible)
Developer fluid	Discoloration possible	Discoloration possible
Dimethyl ether	nb	nb
Drinking water	+	+
Ethylene glycol	nb	nb
Ethylenediamine	nb	nb
Fish oil	nb	nb
Fluorocarbon	nb	nb
Fluorolube	nb	nb
Freon, TA	nb	nb
Freon, T-P35	nb	nb
Fuel oil #6	nb	nb
Fuel oil with acid character	nb	nb
Fyrquel 90, 100, 150,	nb	nb
Gelatin	+	+
Glue	+	+
Gulf FRG Fluids	nb	nb
Gulf FRP Fluids	nb	nb
Heavy water	+	+
Helium	+	+
High viscosity lubricant, H2	nb	nb
High viscosity lubricant, U4	nb	nb
Hydrogen peroxide	+	+
Hydrogen peroxide, hot	nb	nb
Isobutyl alcohol	0	+ (sources possible, but reversible)
Isopropyl alcohol	0	+ (swelling possible, but reversible)
Kel F Liquids	nb	nb
Lactic acid	+	+
Linseed oil	nb	nb
Magnesium chloride	+	+

Magnesium hydroxide	+	+
Magnesium salt	+	+
Magnesium sulfate	+	+
MCS 312	nb	nb
Mercury	nb	nb
Mercury Chloride	Discoloration possible	Discoloration possible
Mercury Vapor	nb	nb
Methyl alcohol	0	+ (sources possible, but reversible)
Methyl carbonate	nb	nb
Milk	+	+
Mobil Nyvac 20 and 30	nb	nb
Mobil Oil SAE 20	nb	nb
Natural gas	+	+
Neon	+	+
Nickel chloride	Discoloration possible	Discoloration possible
Nickel salt	Discoloration possible	Discoloration possible
Nickel sulfate	+	+
Nitrogen	+	+
Oxygen, cold	+	+
Ozone	+	+
Peanut oil	nb	nb
Potassium chloride	+	+
Potassium chloride (rock salt)	+	+
Potassium copper cyanide	Discoloration possible	Discoloration possible
Potassium cyanide	+	+
Potassium dichromate	Discoloration possible	Discoloration possible
Potassium nitrate	+	+
Potassium sulfate	+	+
Potassium sulfite	+	+
Prestone Antifreeze	nb	nb
Propyl alcohol	+	+
Raw sugar	+	+
Salt water	+	+
Santo Safe 300	nb	nb
Silver nitrate	Discoloration possible	Discoloration possible
Soap suds	+	+
Sodium borate	+	+
Sodium carbonate	+	+
Sodium carbonate, anhydrous	+	+
Sodium chloride (common salt)	+	+
Sodium cyanide	nb	nb

Sodium hydrogen carbonate	+	+
Sodium hydrogen sulfite	+	+
Sodium phosphate	+	+
Sodium sulfate	+	+
Sodium sulfide	+	+
Sodium sulfite	+	+
Sodium thiosulfate	+	+
Soybean oil	nb	nb
Spry	nb	nb
Sucrose solution	+	+
Tartaric acid	+	+
TT-I-735b	nb	nb
Ucon Lubricant	nb	nb
Ucon Oil 50-HB-280X	nb	nb
Ucon Oil LB-385	nb	nb
Ucon oil LB-400X	nb	nb
Vegetable oil	nb	nb
Vinegar	+	+
Volmar salt	n.b.	n.b.
Washing Lye	+	+
Water	+	+
Whiskey and wines	Discoloration possible	Discoloration possible
Wood alcohol, methanol	0	+ (sources possible, but reversible)
Xenon	+	+
Zinc salt	+	+
Zinc sulfate	+	+