HT SILICONE NEUTRAL

TRANSPARENT, RED, GREY, BLACK

GLUETEC GROUP

Resistance list

The following list shows the media resistance of the silicones mentioned in the header to chemicals, gases and other frequently 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 products to chemicals can be influenced by numerous factors (e.g. temperature, exposure time, possibly pressure). For this reason, if in doubt, we recommend that you always carry out your own preliminary tests under the specific conditions.

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Chemical resistance

	TRANSPARENT	RED, GREY, BLACK
Acetaldehyde	Discolouration possible	Discolouration possible
Acetic acid 30%	+	+
Acetic acid 5%	+	+
Air - below 300°F	becomes brittle	becomes brittle
Aluminium bromide	+	+
Aluminium phosphate	+	+
Aluminium salt	+	+
Aluminium sulphate	+	+
Alum-NH3Cr-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 sulphate	+	+
Barium sulphide	Discolouration possible	Discolouration possible
Beet sugar	+	+
Blast furnace gas, blast furnace gas	nb	nb
Boric acid	nb	nb
Butter	Discolouration possible	Discolouration possible
Calcium carbonate	+	+
Calcium chloride	+	+
Calcium cyanide	+	+
Calcium hydrogen sulphite	+	+
Calcium hydroxide (5%)	+	+
Calcium phosphate	+	+
calcium sulphite	+	+
Calcium thiosulphate	nb	nb
Carbon monoxide	+	+
carbonic acid	+	+
Castor oil, castor oil	nb	nb
Celluguard	nb	nb
Cellulube 90, 100, 150	nb	nb
Chlorox	nb	nb
Chromium alum	+	+
Citric acid	nb	nb
Cobalt chloride, 2N	Discolouration possible	Discolouration possible
Coconut oil	nb	nb
coffee	Discolouration possible	Discolouration possible
Copper chloride	+	+
Copper cyanide	nb	nb
Copper salt	Discolouration possible	Discolouration possible
Copper sulphate (10 %)	Discolouration possible	Discolouration possible
Corn oil	nb	nb
Cottonseed oil	nb	nb

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Denatured alcohol	0	+ (swelling possible, but reversible)
Developer liquid	Discolouration possible	Discolouration 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
Fyrquel 90, 100, 150,	nb	nb
Gelatine	+	+
Glue	+	+
Gulf FRG fluids	nb	nb
Gulf FRP fluids	nb	nb
Heating oil #6	nb	nb
Heating oil with acid character	nb	nb
heavy water	+	+
Helium	+	+
Highly viscous lubricant, H2	nb	nb
Highly viscous lubricant, U4	nb	nb
Hydrogen peroxide	+	+
Hydrogen peroxide, hot	nb	nb
Isobutyl alcohol	0	+ (swelling 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 sulphate	+	+
MCS 312	nb	nb
Mercuric chloride	Discolouration possible	Discolouration possible
Mercury	nb	nb
Mercury vapour	nb	nb
Methyl alcohol	0	+ (sources possible, but reversible)
Methyl carbonate	nb	nb
Milk	+	+
Mobil oil SAE 20	nb	nb
Mobile Nyvac 20 and 30	nb	nb
Natural gas, natural gas	+	+
neon	+	+
Nickel chloride	Discolouration possible	Discolouration possible
Nickel salt	Discolouration possible	Discolouration possible
Nickel sulphate	+	+
Nitrogen	+	+
Oxygen, cold	+	+
Ozone	+	+
Peanut oil	nb	nb
Potassium chloride	+	+
Potassium chloride (rock salt)	+	+

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Potassium copper cyanide	Discolouration possible	Discolouration possible
Potassium cyanide	+	+
Potassium dichromate	Discolouration possible	Discolouration possible
Potassium nitrate	+	+
Potassium sulphate	+	+
Potassium sulphite	+	+
Prestone Antifreeze	nb	nb
Propyl alcohol	+	+
Raw sugar	+	+
Salt water	+	+
Santo Safe 300	nb	nb
Silver nitrate	Discolouration possible	Discolouration possible
Soap suds	+	+
Sodium borate	+	+
Sodium carbonate	+	+
Sodium carbonate, anhydrous	+	+
Sodium chloride (common salt)	+	+
Sodium cyanide	nb	nb
Sodium hydrogen carbonate	+	+
Sodium hydrogen sulphite	+	+
Sodium phosphate	+	+
Sodium sulphate	+	+
Sodium sulphide	+	+
sodium sulphite	+	+
Sodium thiosulfate	+	+
Soya oil	nb	nb
Spry	nb	nb
Sucrose solution	+	+
Suds	+	+
Tartaric acid	+	+
TT-I-735b	nb	nb
Tungsten salt	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	+	+
water	+	+
Whiskey and wines	Discolouration possible	Discolouration possible
Wood alcohol, methanol	0	+ (sources possible, but reversible)
Xenon	+	+
Zinc salt	+	+
Zinc sulphate	+	+