

Silicone Grease



Special lubricant for valves, fittings and seals | drinking water approval | NSF registration | safety-tested by the German Federal Institute for Materials Research and Testing (BAM)

WEICON Silicone Grease is highly adhesive, transparent and very compatible with plastics. Owing to its NSF H1 registration, it is suitable as a lubricant for valves, fittings and seals in sensitive areas. The grease complies with the Guideline for Hygienic Assessment of Organic Materials in Contact with Drinking Water (KTW guideline) by the German Federal Environment Agency. It can be used in the food and beverage industry, in sanitary and heating construction, in the pharmaceutical industry as well as in sealing technology. WEICON Silicone Grease is safety-tested by the German Federal Institute for Materials Research and Testing (BAM) – cf. leaflet 034-1 “List of non-metallic materials for use in oxygen” (DGUV information 213-075) of BG RCI. The grease is especially material-friendly, odourless and tasteless and has a temperature resistance of -50 °C to +200 °C. WEICON Silicone Grease is suitable for the lubrication of plastic parts, rubber parts and seals, valves, fittings and gaskets, for devices and systems and as an assembly aid for O-rings.

Technical Data

Short description	DIN 51502	MSI 2 S-50
Consistency classification	DIN 51818	NLGI grade 2-3
Base oil		Silicone oil
Base thickener		Gel
Colour		colourless, translucent
Density	(+20°C) DIN 51757	0,98 g/cm ³
Cone penetration	DIN ISO 2137	240-270 1/10 mm
Water resistance	DIN 51807	1-90
Heat capacity	DIN EN ISO 22007-4	1,295 J/(g·K)
Thermal conductivity	DIN EN ISO 22007-4	0,445 W/m·K
Dielectric strength	DIN EN 60243-1 (20°C)	9,2 kV/mm
Dripping point	IP 396	>200 °C
viscosity of base oil (40 °C)	DIN 51 562	75 mm ² /s
viscosity of base oil (+100 °C)	DIN 51 562	31 mm ² /s
EMCOR-corrosion test	DIN 51802 (distilled water)	1 / 2
Oxidationsresistent	99°C, 100% rel. Feuchte, 100hPa	ja
Temperature conductivity		0,351 mm ² /s
Temperature resistance		-50 °C to +200 °C
Minimum shelf life	at room temperature	24 mon.

Approvals / Guidelines

NSF	H1 (FDA 21 CFR)
Hygiene Institute	Risk group P2

Instructions for use

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Application

The Silicone Grease can be applied in the desired quantity to the component that you wish to lubricate with the Processing Spatula or the Contour Spatula Flexy.

Storage

WEICON Allround Lubricants should be stored in a dry indoor environment at room temperature. Unopened containers can be stored at temperatures from +18 °C to +28 °C. Opened containers should be resealed airtight.

Accessories

10000147	Cleaner Spray S, 500 ml, transparent
10000347	Cleaner S, 5 L, colourless, transparent
10039119	Fast Cleaner, 500 ml, colourless, transparent
10055297	Industrial Cleaner, 500 ml
10010887	Processing Spatula short, 1 PCE
10022562	Processing Spatula long, 1 PCE
10010066	Contour Spatula Flexy, 1 PCE
10065455	Brush 35, long, Adhesive, 1 PCE

Recommended equipment

Lint-free cloth

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz

WEICON GmbH & Co. KG
(Headquarters) Germany
phone +49 (0) 251 9322 0
info@weicon.de

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730 763
office@weicon.com

WEICON South East Asia Pte Ltd
Singapore
Phone (+65) 6710 7671
info@weicon.com.sg

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es

WEICON Italia S.r.L.
Italy
phone +39 (0) 010 2924 871
info@weicon.it

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za

WEICON Kimya Sanayi Tic. Ltd. Şti.
Türkiye
phone +90 (0) 212 465 33 65
info@weicon.com.tr

Silicone Grease

Available sizes

10050558	Silicone Grease, 0,45 kg, colourless, translucent
10050566	Silicone Grease, 85 g, colourless, translucent
10051118	Silicone Grease, 25 kg, colourless, translucent
10053151	Silicone Grease, 5 g, colourless, translucent

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{mm}/25.4 = \text{inch}$
 $\mu\text{m}/25.4 = \text{mil}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N}/\text{mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$

$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$
 $\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
 $\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

	AL-W High-Performance Grease	AL-M High-Performance Grease	AL-F High-Performance Grease	AL-T High-Performance Grease	AL-H High-Performance Grease	Silicone Grease	Silicone Grease HV
Rolling bearings	x	x	x	x	x		
Sliding bearings	x	x	x	x	x		
Chains	x						
Joints	x	x	x	x	x	x	x
Levers	x	x	x	x	x	x	x
Sliding guides	x	x	x	x	x	x	x
Linear guide systems				x	x	x	x
Spindles	x	x	x	x	x	x	x
Spline shafts	x	x	x	x			
Camshafts		x	x				
Springs		x					
Open gears	x	x	x				
Worm gears	x	x	x				
Cables	x						

To the product detail page:



Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz

WEICON GmbH & Co. KG
(Headquarters) Germany
phone +49 (0) 251 9322 0
info@weicon.de

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730 763
office@weicon.com

WEICON South East Asia Pte Ltd
Singapore
Phone (+65) 6710 7671
info@weicon.com.sg

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es

WEICON Italia S.r.l.
Italy
phone +39 (0) 010 2924 871
info@weicon.it

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za

WEICON Kimya Sanayi Tic. Ltd. Şti.
Türkiye
phone +90 (0) 212 465 33 65
info@weicon.com.tr