

Silicone Grease



Nonfood Compounds
Program Listed H1
Registration 145000

Special lubricant for valves, fittings and sealings | drinking water approval | BAM | NSF registration

WEICON Silicone Grease is strong, transparent and shows very good compatibility to plastics. Due to its NSF H1 registration, WEICON Silicone Grease is suitable as lubricant in sensitive areas where inadvertent contact to food is possible. Complies with the Guideline for Hygienic Assessment of Organic Materials in Contact with Drinking Water (KTW Guideline) by the 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 the sealing technology. WEICON Silicone Grease is BAM safety-tested - see leaflet 034-1 "List of non-metallic materials for use in oxygen" (DGUV information 213-075) of BG RCI. The grease is particularly material-friendly, neutral in odour and taste and has a temperature resistance of -50 °C to +200 °C.

WEICON Silicone Grease is suitable for the lubrication of plastics, rubber parts and seals, valves, fittings and gaskets, machines, equipment, slow rotating bearings and as assembly aid for O-rings.

Technical Data

Consistency classification	DIN 51818	NLGI grade 2-3
Base		Pyrogenic silicon dioxide silicone oil
Colour		colourless, translucent
Density	(+20°C) DIN 51757	0,98 g/cm ³
Cone penetration	DIN ISO 2137	222 - 310 1/10 mm
Heat capacity	DIN EN ISO 22007-4	1,295 J/(g·K)
Thermal conductivity		0,445 W/m·K
Dielectric strength	DIN EN 60243-1 (20°C)	9,2 kV/mm
EMCOR-corrosion test	DIN 51 802	1 / 2
Temperature conductivity		0,351 mm ² /s
Temperature resistance		-50°C to +200°C
Shelf life		24 mon.

Approvals / Guidelines

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

Surface pre-treatment

Clean surfaces.

Processing

Apply Silicone Grease evenly.

Storage

Store in tightly closed original container. Do not store with oxidising agents. Keep container tightly closed and store in a cool, well-ventilated area. Recommended storage temperature:.. Room temperature.

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.

Available sizes

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

Conversion table

(°C x 1.8) + 32 = °F	Nm x 8.851 = lb·in
mm/25.4 = inch	Nm x 0.738 = lb·ft
µm/25.4 = mil	Nm x 141.62 = oz·in
N x 0.225 = lb	mPa·s = cP
N/mm ² x 145 = psi	N/cm x 0.571 = lb/in
MPa x 145 = psi	kV/mm x 25.4 = V/mil

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.

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