

# Silicone Grease HV



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

WEICON Silicone Grease HV 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 Germany's 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 HV is safety-tested by BAM (the German federal institute for materials research and testing) - 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 HV 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 3
Base		dimethylpolysiloxane
Colour		colourless
Density	(+20 °C)	>1,00 g/ml
Dielectric strength	DIN EN 60243-1 (20°C)	9,2 kV/mm
Dripping point	IP 396	> +200 °C
Flashpoint		> +300°C
EMCOR-corrosion test	DIN 51 802	1 / 2
Temperature resistance		-40 °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.

### Safety and health

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

### Available sizes

26300045	Silicone Grease HV, 450 g, colourless
26300100	Silicone Grease HV, 1 kg, colourless
26300500	Silicone Grease HV, 5 kg, colourless
26300925	Silicone Grease HV, 25 kg, colourless

### Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$	$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
$\text{mm}/25.4 = \text{inch}$	$\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
$\mu\text{m}/25.4 = \text{mil}$	$\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
$\text{N} \times 0.225 = \text{lb}$	$\text{mPa}\cdot\text{s} = \text{cP}$
$\text{N}/\text{mm}^2 \times 145 = \text{psi}$	$\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
$\text{MPa} \times 145 = \text{psi}$	$\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

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.

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