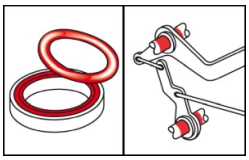
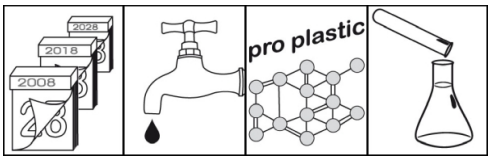
a product brand of KLÜBER LUBRICATION

# OKS 1112
## Silicone Grease for Vacuum Valves






### Description

OKS 1112 is a silicone grease for slide valves and valves.

### Applications

- Lubrication of closing devices and taps, as well as ground joints in industrial vacuum and laboratory equipment, if the consistency of other OKS silicone greases is insufficient

### Branches

- Plant and machine (tool) engineering
- Iron and steel industry
- Municipal services
- Shipbuilding and marine technology
- Glass and foundry industry
- Chemical industry
- Rubber and plastic processing
- Logistics
- Rail vehicle technology
- Paper and packaging industry

### Advantages and benefits

- No carbonization, no melting, steam pressure stays negligible up to +200°C
- Nearly constant consistency between -30 and +200°C
- No corrosive influence on metals and no softening influence on rubber and plastics
- Good resistance against solvents and excellent resistance against numerous chemical agents
- Resistive to cold and hot water, acetone, ethanol, ethylenglycole, glycerine and methanol, most of diluted bases and acids mineral and vegetable oils and numerous organic compounds and almost all usual gases

### Application tips

For best results, clean lubricant points and surfaces carefully, e.g. with OKS 2610 or OKS 2611. Apply grease evenly thin to the function point (e.g. with a brush or spatula etc.). Avoid excess. Observe the instructions of the machine manufacturer. Only mix with appropriate lubricants. Silicone-based plastics, e.g. silicone rubber, can be dissolved by silicone grease. Silicone grease must not be applied to sliding surfaces under influence of pure oxygen.

### Packaging

- 500 g Can
- 5 kg Hobbock


© Klüber Lubrication München GmbH & Co. KG

a product brand of KLÜBER LUBRICATION

# OKS 1112
## Silicone Grease for Vacuum Valves

### Technical data

| | Standard | Conditions | Unit | Value |
|---|---|---|---|---|
| **Main components** | | | | |
| base oil | | | | polydimethylsiloxane |
| thickener | | | | inorganic |
| **Application related technical data** | | | | |
| marking | DIN 51 502 | DIN 51 825 | | MSI3S-30 |
| Viscosity base oil | DIN 51 562-1 | at 25°C | $mm^2/s$ | 100,000 |
| pour point | DIN ISO 3016 | 3°C step | °C | -40 |
| consistency | DIN 51 818 | DIN ISO 2137 | NLGI grade | 3 |
| worked penetration | DIN ISO 2137 | 60DH | 0.1 mm | 220-250 |
| oil separation | DIN 51 817 | 18h/40°C | percent in weight | 0 |
| oil separation | DIN 51 817 | 168h/40°C | percent in weight | 0.14 |
| resistance to oxidation | DIN 51 808 | 100h/160°C | bar | < 0.7 |
| lower operating temperature | | | °C | -30 |
| upper operating temperature | | | °C | 200 |
| colour | | | | transparent |
| density | DIN EN ISO 3838 | at 20°C | $g/cm^3$ | 1 |
| **Product specific technical data** | | | | |
| evaporation loss | DIN 58 397-1 | 24h, 200°C | percent in weight | < 3.0 |

**Klüber Lubrication München GmbH & Co. KG**
Geisenhausenerstraße 7 / 81379 München / Germany / phone +49 89 7876-0

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.


© Klüber Lubrication München GmbH & Co. KG