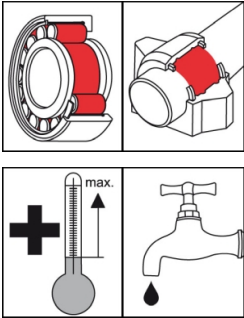


## OKS 1140 Extreme-Temperature Silicone Grease



### Description

OKS 1140 is an extreme-temperature silicone grease for slow-running machine elements at extremely high temperatures.

### Applications

- Lubrication of slow-running rolling and friction bearings, rollers, transport chains or sliding surfaces on kiln trolleys, bakery machines, drying tunnels, foundry machines, boiler firing systems, plastics processing machines for welding and soldering machines etc.

### Branches

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

### Application tips

For best results, clean lubricant points and surfaces carefully, e.g. with OKS 2610 or OKS 2611 universal cleaner. Remove the corrosion protection ahead of the initial filling. Fill the bearings in a way that all the functional surfaces for sure get the grease. Slow moving bearings (DN-value < 50,000) should be filled completely, normal moving bearings should be filled to 1/3 of the free inner housing space. Observe the instructions of the bearing or machine manufacturer. Relubrication with a grease gun on to the grease nipples or with an automatic lubrication system. Relubrication intervals and amount to be defined acc. to the service conditions. If the removal of the old grease is not possible the amount of grease has to be limited to avoid excess lubrication of the bearing. At longer relubrication intervals a complete exchange of the old grease is recommended. Only mix with appropriate lubricants. Bearings filled with silicon grease must not have higher loads than 1/3rd of the bearing's permitted load. 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.

### Advantages and benefits

- Highly effective due to optimum temperature-stable silicone grease formula
- Excellently suited for grease lubricating points subject to high-temperature loading
- Broad range of uses outside normal grease performance areas

# OKS 1140

## Extreme-Temperature Silicone Grease

### Packaging

- 500 g Can
- 5 kg Hobbock
- 25 kg Hobbock

### Technical data

|   | Standard        | Conditions          | Unit               | Value                    |
|---|-----------------|---------------------|--------------------|--------------------------|
| <b>Main components</b>                    |                 |                     |                    |                          |
| base oil                                  |                 |                     |                    | polyphenylmethylsiloxane |
| thickener                                 |                 |                     |                    | special carbon black     |
| <b>Application related technical data</b> |                 |                     |                    |                          |
| marking                                   |                 |                     |                    | KFSI2U-20                |
| Viscosity base oil                        | DIN 51 562-1    | at 40°C             | mm <sup>2</sup> /s | 100                      |
| flashing point                            | DIN ISO 2592    | > 79                | °C                 | > 250                    |
| drop point                                | DIN ISO 2176    |                     | °C                 | without                  |
| consistency                               | DIN 51 818      | DIN ISO 2137        | NLGI grade         | 2                        |
| worked penetration                        | DIN ISO 2137    | 60DH                | 0.1 mm             | 265-295                  |
| oil separation                            | DIN 51 817      | 18h/40°C            | percent in weight  | 1                        |
| lower operating temperature               | DIN 51 805      | ≤ 1,400 hPa         | °C                 | -20                      |
| upper operating temperature               |                 |                     | °C                 | 290                      |
| maximal operating temperature             |                 |                     | °C                 | 300                      |
| colour                                    |                 |                     |                    | black                    |
| density                                   | DIN EN ISO 3838 | at 20°C             | g/cm <sup>3</sup>  | 1.03                     |
| water resistance                          | DIN 51 807-1    | 90°C                | Degree             | 0                        |
| DN value (dm x n)                         |                 |                     | mm/min             | 75,000                   |
| four-ball test rig welding load           | DIN 51 350-4    |                     | N                  | 2,100                    |
| four-ball test rig wear                   | DIN 51 350-5    | 1.420/min, 1h, 400N | mm                 | 1.2                      |
| SKF-EMCOR                                 | DIN 51 802      |                     | corr. degree       | 2-2                      |
| <b>Product specific technical data</b>    |                 |                     |                    |                          |
| evaporation loss                          | DIN 58 397-1    | 24h, 160°C          | percent in weight  | 1                        |

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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.