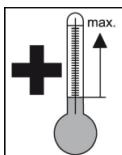
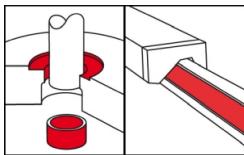




### OKS 280

#### White High-Temperature Paste



#### Description

OKS 280 is a lubricating paste for temperature-stressed sliding surfaces.

#### Applications

- Lubrication for thermoforming processes, e.g. drop-forging, hot extrusion, hot rolling or hot bending of steel and non-ferrous metals
- Thin-film lubrication of sliding surfaces of all kinds on production machines, e.g. column guides of forging presses

#### Branches

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

#### Advantages and benefits

- Excellently suited for improving workpiece surfaces and increasing tool service life
- Highly effective due to optimum solid lubricants with good separating effect
- Broad range of uses for various thermoforming processes
- Low consumption due to thin-film lubrication
- Marked separating and lubricating functions in all temperature phases
- Free of graphite, which can lead to carburising of tool and workpiece

#### Application tips

For best adhesion, clean contamination and other lubricants from slide surfaces. Best way is to clean mechanically first and then with OKS 2610 or OKS 2611 universal cleaning agent. Use a brush, spatula or similar to apply evenly a suitable quantity of paste onto surface. The paste will also act as a sealant. Do not use paste instead of grease and mix only with suitable lubricants.

#### Packaging

- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock



## OKS 280

### White High-Temperature Paste

#### Technical data

|   | Standard          | Conditions   | Unit               | Value                     |
|---|-------------------|--|--------------------|---------------------------|
| <b>Main components</b>                    |                   |  |                    |                           |
| base oil                                  |                   |  |                    | mineral oil               |
| thickener                                 |                   |  |                    | lithium soap              |
| solid lubricants                          |                   |  |                    | white solid lubricants    |
| <b>Application related technical data</b> |                   |  |                    |                           |
| viscosity (base oil)                      |                   | at 40°C  | mm <sup>2</sup> /s | approx. 90                |
| flashing point                            | DIN ISO 2592      | > 79   | °C                 | > 200                     |
| unworked penetration                      | DIN ISO 2137      | no shear stress  | 0.1 mm             | 260-290                   |
| lower operating temperature               |                   |  | °C                 | -15                       |
| upper operating temperature               |                   |  | °C                 | 1,150                     |
| colour                                    |                   |  |                    | white                     |
| density                                   | DIN EN ISO 3838   | at 20°C  | g/cm <sup>3</sup>  | 1.7                       |
| four-ball test rig welding load           | DIN 51 350-4      |  | N                  | 2,400                     |
| Total friction coefficient ( $\mu$ )      | DIN EN ISO 16 047 | screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide |                    | 0.09                      |
| breakaway torque                          | DIN 267-27        | M10 A2, 40 Nm, 400 °C, 100 h   | Nm                 | < 2,5 x tightening torque |

**OKS Spezialschmierstoffe GmbH**

Ganghoferstraße 47

82216 Maisach

+49 8142 3051 - 500

info@oks-germany.com

www.oks-germany.com

a brand of

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