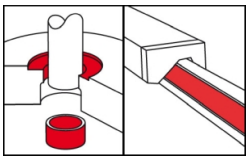
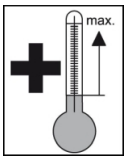


PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

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

© Klüber Lubrication München GmbH & Co. KG



PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 280
White High-Temperature Paste

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				mineral oil
thickener				lithium soap
solid lubricants				white solid lubricants
Application related technical data				
Viscosity base oil		at 40°C	mm^2/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^3	1.7
four-ball test rig welding load	DIN 51 350-4		N	2,400
Total friction coefficient (µ)	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

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