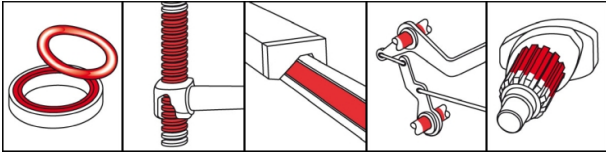


OKS 230

MoS₂ High-Temperature Paste



Description

OKS 230 is a high-temperature paste with MoS₂.

Applications

- Lubrication of temperature-stressed machine parts, e.g. rolling bearings, friction bearings, slideways, chains, rollers or moving parts in hot forming, heat treatment or drying
- Dry lubrication, e.g. of kiln and rack-truck bearings, bearings of pouring ladles, converters or hot-air blowers at temperatures over 250°C
- Lubrication of plastic and rubber at normal temperature when the materials concerned are not resistant to mineral oil

Advantages and benefits

- Highly effective due to the strong affinity of the MoS₂ for metals
- Extremely low friction at highest loading capability
- Broad range of applications at temperatures up to 200°C as paste, over 200°C to 450°C as dry lubricant
- Resistant to water, fuels and lubricants, chemicals and hydraulic fluids

Branches

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

Application tips

For best adhesion, clean the threads and sliding surfaces from dirt and other lubricants. Best way is to clean mechanically first and then with OKS 2610 or OKS 2611 universal cleaner. Apply paste evenly thin onto the sliding areas with brush, spatula, etc. Remove excessing paste. When used for rolling bearings, dab paste in small amount with brush on sliding surface and spin the bearing several times. In operation, relubricate with OKS 310 MoS₂ High-temperature lubricant. Do not use paste instead of grease and only mix with appropriate lubricants.

Packaging

- 250 g Can
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

OKS 230

MoS₂ High-Temperature Paste

Technical data

| | Standard | Conditions | Unit | Value |
|---|-------------------|---|-------------------|---------------------------|
| Main components | | | | |
| base oil | | | | polyglycol |
| thickener | | | | lithium hydroxystearate |
| solid lubricants | | | | other solid lubricants |
| solid lubricants | | | | MoS ₂ |
| Application related technical data | | | | |
| flashing point | DIN EN 22 719 | > 79 | °C | 270 |
| drop point | DIN ISO 2176 | | °C | > 180 |
| unworked penetration | DIN ISO 2137 | no shear stress | 0.1 mm | 250-280 |
| lower operating temperature | | | °C | -35 |
| upper operating temperature | | lubrication | °C | 180 |
| upper operating temperature | | separation | °C | 450 |
| colour | | | | black |
| density | DIN EN ISO 3838 | at 20°C | g/cm ³ | 1.75 |
| four-ball test rig welding load | DIN 51 350-4 | | N | 3,200 |
| Total friction coefficient (μ) | DIN EN ISO 16 047 | screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide | | 0.1 |
| breakaway torque | DIN 267-27 | M10 A2, 40 Nm, 400 °C, 100 h | Nm | < 1,2 x tightening torque |
| press-fit test (μ) | draft DIN 51 833 | | | 0,11, no chatter |

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

☎ +49 8142 3051 - 500

✉ info@oks-germany.com

🏠 www.oks-germany.com

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Our Customer and Technical service will be pleased to help should you have any further questions.