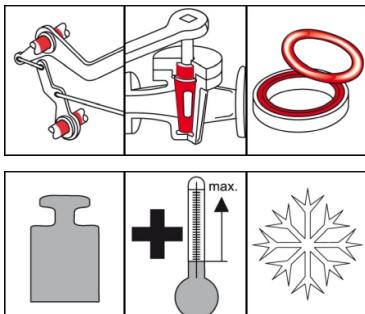




OKS 100

MoS₂ Powder, high degree of purity



Description

OKS 100 is a MoS₂-powder to improve the sliding properties of machine elements.

Applications

- For sliding properties improvement of machine parts, apparatuses and precision machinery, e.g. under the influence of oxygen, in vacuum or radioactive radiation
- Dry lubrication for tools or workpieces in cold- and thermoforming
- For incorporation in plastics, sealings, packages, sintered metals and improvement of sliding properties
- For long-term or possibly lifetime-lubrication

Advantages and benefits

- Reduces friction and wear in a wide temperature range
- High effectiveness due to high affinity of MoS₂ to metals
- Low friction at highest load capacities
- Low consumption based on forming of extreme thin sliding films
- Not electrically conducting and not magnetic
- Chemically stable except against halogenated gases, concentrated sulfuric- and nitric acid

Branches

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

Application tips

For best adhesion, clean sliding surfaces. Best way is to clean mechanically first and then with OKS 2610 or OKS 2611 universal cleaner. Apply on small parts in series production by tumbling, under addition of small amounts powder and tumbling parts, until a complete MoS₂ film is formed. Brush the powder onto bigger surfaces. Addition of approx. 2-3% for self-lubricating material before forming.

Packaging

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



OKS 100

MoS₂ Powder, high degree of purity

Technical data

| | Standard | Conditions | Unit | Value |
|---|-------------|----------------------|-------------------|------------------|
| Main components | | | | |
| solid lubricants | | | | MoS ₂ |
| share of solid lubricants | DIN 51 814 | | percent in weight | > 98.5 |
| Application related technical data | | | | |
| lower operating temperature | | | °C | -185 |
| maximal operating temperature | | in normal atmosphere | °C | 450 |
| maximal operating temperature | | in vacuum | °C | 1,100 |
| maximal operating temperature | | in inert gas | °C | 1,300 |
| colour | | | | grey-black |
| density | | at 20°C | g/cm ³ | 4.8 |
| Product specific technical data | | | | |
| particle size | ISO 13320-1 | d 50 | µm | 12.0-30.0 |
| particle size | | max. d 99 | µm | max. 150 |

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

📞 +49 8142 3051 - 500

✉ info@oks-germany.com

🏡 www.oks-germany.com

a brand of

 **FREUDENBERG**

The information in this publication reflects state-of-the-art technology, as well as extensive testing and experience. Due to the diversity of possible applications and technical realities, they can only serve as recommendations and are not arbitrarily transferable. Therefore, no obligations, liability or warranty claims can be derived from them. We only accept liability for the suitability of our products for particular purposes, and for certain properties of our products, in the event that we have accepted such liability in writing in the individual case. Any case of justified warranty claims shall be limited to the delivery of replacement goods free of defects, in the event that this subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular the liability for consequential injuries or damage, shall always be excluded. Prior to use, the customer must conduct its own testing to prove suitability. The data are subject to change for the sake of progress. ® = Registered trademark
Product restricted to professional users. Safety data sheet available for download at www.oks-germany.com
 Our Customer and Technical service will be pleased to help should you have any further questions.