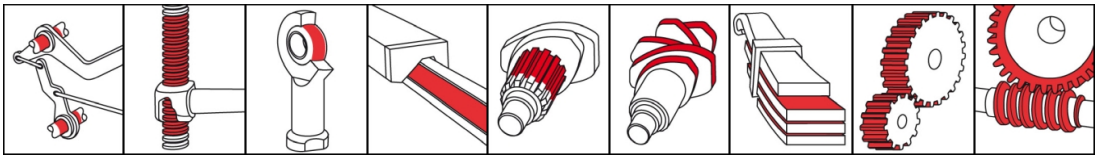
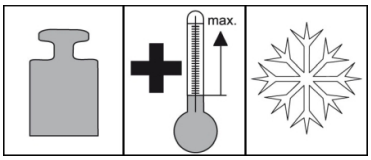
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 111

MoS_2 Powder, microsize, Spray





Description

OKS 111 is a MoS_2-powder to improve the sliding properties of machine elements.

Applications

- For sliding properties improvement of machine parts, apparates and precision machinery, especially for microfinished surfaces
- For incorporation in plastics, sealings, packages, sintered metals and improvement of sliding properties
- For long-term or possibly lifetime-lubrication

Branches

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

Advantages and benefits

- Reduces friction and wear in a wide temperature range
- High effectiveness due to high affinity of MoS_2 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 sulphuric- and nitric acid

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. Spray on evenly thin from 15-20 cm distance to the sliding surfaces.

Packaging

- 400 ml Spray

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Technical data

	Standard	Conditions	Unit	Value
Main components				
binder				special wax
solvent				special boiling point gasoline
solid lubricants				MoS_2
degree of purity		MoS_2-content	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	DIN EN ISO 3838	at 20°C	g/cm³	0.77
Product specific technical data				
particle size		d 50	µm	2.5-6.0
particle size		max. d 99	µm	max. 36
Properties and approvals				
UFI				6KJ1-T0C6-600X-F6H1

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