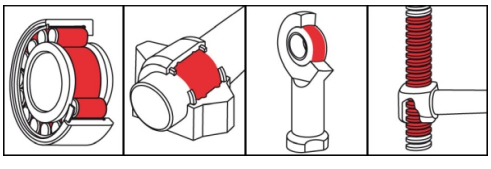
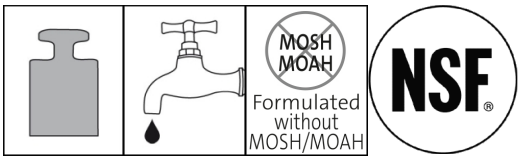
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 480

High-Pressure Grease, water-resistant, for Food Processing Technology





Description

Fully synthetic calcium sulphonate complex grease for high loads and pressures at applications in the complete food processing technology.

Applications

- Rolling and friction bearing lubrication, even at high temperatures
- Lubrication for bearings with contact to cleaning agents or disinfectants
- For mechanical units such as levers, joints and hinges, also under strong water effect

Branches

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

Advantages and benefits

- NSF H1 registered
- High shear stability prevents thinning out of the grease under extreme mechanical loads such as during vibrations
- Excellent wear protection and very good high-pressure properties
- The calcium sulphonate complex soap ensures excellent water resistance and very good corrosion protection
- Broad temperature application range (-30°C to +160°C)
- High temperature and oxidation stability through fully synthetic base oil
- Very high resistance to water-alkaline or acidic disinfectants and cleaning agents
- Also available as spray version OKS 481
- Formulated without MOSH/MOAH

Application tips

Clean the lubricating points well for optimal effect. Before filling for first time, remove anti-corrosion agent. Fill the bearing such that all functional surfaces are certain of being greased. Fill normal bearings up to about 1/3 of the free space inside the bearing. Low-speed bearings (DN value below 50,000) and their housings should be filled completely. The bearing and machine manufacturer's instructions should be observed. Subsequent lubrication at the lubrication nipples by grease gun or by automatic lubrication system. Assess the lubrication frequency and quantity on the basis of the service conditions. If old grease cannot be removed, restrict the quantity of grease so as to avoid over-lubricating the bearing. If lubrication frequencies tend to be low, you should aim for a full grease change. Only mix with suitable lubricants.

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Packaging

- 400 ml Cartridge
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyalphaolefine
thickener				calcium sulphonate complex soap
Application related technical data				
marking	analogue to DIN 51 502			KPHC2P-30
Viscosity base oil	DIN 51 562-1	at 40°C	mm²/s	100
Viscosity base oil	DIN 51 562-1	at 100°C	mm²/s	14.7
drop point	ASTM D2265		°C	> 300
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	2
worked penetration	DIN ISO 2137	60DH	0.1 mm	265-295
lower operating temperature			°C	-30
upper operating temperature			°C	160
colour				beige
density	DIN EN ISO 3838	at 20°C	g/cm³	0.99
DN value (dm x n)			mm/min	400,000
four-ball test rig welding load	DIN 51 350-4		N	4,000
Properties and approvals				
UFI				QMQJ-M0GX-Q002-WG9J
approval for food processing technology				NSF H1, Reg.-Nr. 148971

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