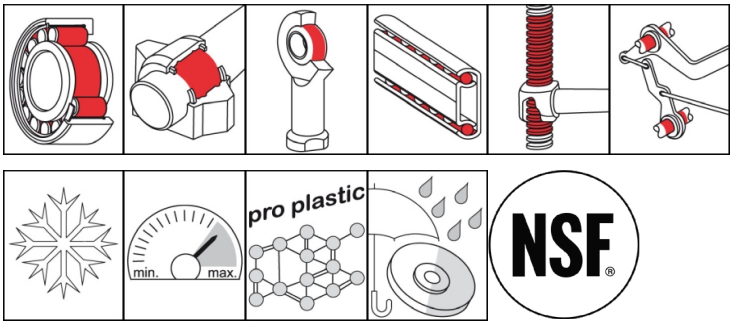
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 475

High-Performance Grease



Description

Fully synthetic high-performance grease with PTFE for use at low temperatures and high speeds.

Applications

- Grease lubrication of plain and roller bearings with low bearing play as well as bearings with low coasting moments
- Lubrication for fast-running roller bearings
- Sealing lubrication of mating surfaces, for example ground-in parts such as taper plugs, dosing plungers and valves
- Maintenance lubrication of plastic and rubber parts with embrittlement protection and good frictional characteristics, particularly on metal surfaces

Advantages and benefits

- Temperature range from -60°C to 120°C
- Resistant to all alkali and acid cleaning agents and disinfectants
- Good wear protection through PTFE
- NSF H2 registration

Branches

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

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, high-speed bearings (DN value < 400,000) up to about 1/4. Low-speed bearings (DN value > 50,000) and their housings should be filled completely. In as far as available, 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. Caution: Only mix with suitable lubricants.

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Packaging

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

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyalphaolefine
thickener				lithium hydroxystearate
solid lubricants				PTFE
Application related technical data				
marking	DIN 51 502	DIN 51 825		KFHC2K-60
viscosity (base oil)	DIN 51 562-1	at 40°C	mm²/s	approx. 30
viscosity (base oil)	DIN 51 562-1	at 100°C	mm²/s	approx. 11.5
drop point	DIN ISO 2176		°C	> 185
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	2
worked penetration	DIN ISO 2137	60DH	0.1 mm	265-295
flow pressure	DIN 51 805	20°C	mbar	< 125
oil separation		30h/100°C	percent in weight	< 5
resistance to oxidation	DIN 51 808	100h/100°C	bar	< 0.2
lower operating temperature	DIN 51 805	≤ 1,400 hPa	°C	-60
upper operating temperature	DIN 51 821-2	F50 (A/1500/6000), 100h	°C	120
colour				beige
density	DIN EN ISO 3838	at 20°C	g/cm³	0.85
water resistance	DIN 51 807-1	3h/90°C	Degree	1-90
DN value (dm x n)			mm/min	1,000,000
four-ball test rig welding load	DIN 51 350-4		N	2,000
SKF-EMCOR	DIN 51 802	7 days, distilled water	corr. degree	≤ 1
Properties and approvals				
approval for food processing technology				NSF H2, Reg.-Nr. 137708

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