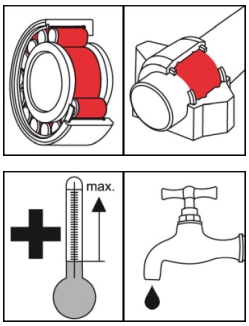
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 1140

Extreme-Temperature Silicone Grease



Description

OKS 1140 is an extreme-temperature silicone grease for slow-running machine elements at extremely high temperatures.

Applications

- Lubrication of slow-running rolling and friction bearings, rollers, transport chains or sliding surfaces on kiln trolleys, bakery machines, drying tunnels, foundry machines, boiler firing systems, plastics processing machines for welding and soldering machines etc.

Branches

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

Advantages and benefits

- Highly effective due to optimum temperature-stable silicone grease formula
- Excellently suited for grease lubricating points subject to high-temperature loading
- Broad range of uses outside normal grease performance areas

Application tips

For best results, clean lubricant points and surfaces carefully, e.g. with OKS 2610 or OKS 2611 universal cleaner. Remove the corrosion protection ahead of the initial filling. Fill the bearings in a way that all the functional surfaces for sure get the grease. Slow moving bearings(DN-value < 50,000) should be filled completely, normal moving bearings should be filled to 1/3 of the free inner housing space. Observe the instructions of the bearing or machine manufacturer. Relubrication with a grease gun on to the grease nipples or with an automatic lubrication system. Relubrication intervals and amount to be defined acc. to the service conditions. If the removal of the old grease is not possible the amount of grease has to be limited to avoid excess lubrication of the bearing. At longer relubrication intervals a complete exchange of the old grease is recommended. Only mix with appropriate lubricants. Bearings filled with silicon grease must not have higher loads than 1/3rd of the bearing´s permitted load. Silicone-based plastics, e.g. silicone rubber, can be dissolved by silicone grease. Silicone grease must not be applied to sliding surfaces under influence of pure oxygen.

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Packaging

- 500 g Can
- 5 kg Hobbock
- 25 kg Hobbock

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyphenylmethylsiloxane
thickener				special carbon black
Application related technical data				
marking				KFSI2U-20
viscosity (base oil)	DIN 51 562-1	at 40°C	mm²/s	100
flashing point	DIN ISO 2592	> 79	°C	> 250
drop point	DIN ISO 2176		°C	without
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	2
worked penetration	DIN ISO 2137	60DH	0.1 mm	265-295
oil separation	DIN 51 817	18h/40°C	percent in weight	1
lower operating temperature	DIN 51 805	≤ 1,400 hPa	°C	-20
upper operating temperature			°C	290
maximal operating temperature			°C	300
colour				black
density	DIN EN ISO 3838	at 20°C	g/cm³	1.03
water resistance	DIN 51 807-1	90°C	Degree	0
DN value (dm x n)			mm/min	75,000
four-ball test rig welding load	DIN 51 350-4		N	2,100
four-ball test rig wear	DIN 51 350-5	1.420/min, 1h, 400N	mm	1.2
SKF-EMCOR	DIN 51 802		corr. degree	2-2
Product specific technical data				
evaporation loss	DIN 58 397-1	24h, 160°C	percent in weight	1

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