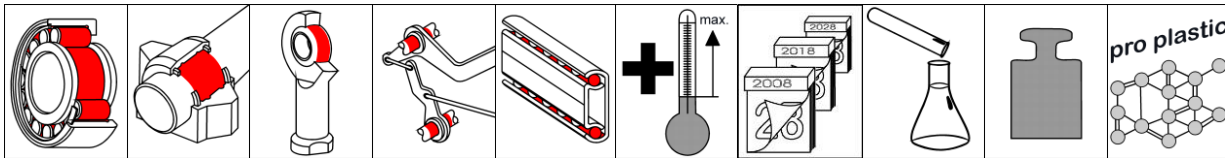


OKS 4210 Extreme Temperature Grease



Description

Extreme-temperature bearing grease for use at high loads and temperatures.

Applications

- Grease lubrication of friction and rolling bearings in the high-temperature range up to 300°C
- Lubrication of tunnel kiln cars, baking, burn-in and drying furnaces, hot gas units, reaction vessels, boiler plants, roller and conveyor rollers in continuous furnaces, etc.
- Use at bearing points under influence of chemicals
- Lubrication of bearings under influence of fuel

Advantages and benefits

- Absolutely resistant to water and steam
- Resistant to solvents, for example benzene, benzol, acetone, trichloroethylene and against inorganic acids, for example sulphuric acid, hydrochloric acid and nitric acid as well as stearic acids, alcohols and halogens
- Broad range of applications above the temperature limits of other lubricating greases
- Excellent wear protection
- Reduced maintenance and lubricant costs due to possible lifetime lubrication
- Excellent plastic and elastomer compatibility

Main fields of application

- Chemical industry
- Brickworks
- Packaging industry

Application tips

Thorough cleaning of the bearings from other lubricants, for example with OKS 2610 / OKS 2611 universal cleaning agent is imperative. Subsequently blow out with dry air. Before filling for first time, remove anti-corrosion agent. Fill the bearing such that all functional surfaces are certain of being greased. Fill bearings running slowly completely, fill high-speed bearings (DN value > 150,000) only up to about 2/3 of the free space inside the bearing. The bearing and machine manufacturer's instructions should be observed. Specify the relubrication frequency and quantity on the basis of the conditions of use. If old grease cannot be removed, restrict the quantity of grease so as to avoid overlubricating the bearing. Only mix with suitable lubricants.

Our customer advice service will be pleased to help should you have any further questions.



PRODUCT INFORMATION

OKS 4210 Extreme Temperature Grease

Technical data

	Standard	Conditions	Unit	Value
Marking	DIN 51 502	DIN 51 825		KFFK2U-20
Base oil				
Type				Perfluoropolyether (PFPE)
Viscosity	DIN 51 562-1	40°C	mm ² /s	510
Pour point	DIN ISO 3016	3°C step	°C	-30
Flashing point	DIN ISO 2592	> 79	°C	Not measurable
Thickener				
Type				PTFE
Consistency	DIN 51 818	DIN ISO 2137	NLGI grade	2
Worked penetration	DIN ISO 2137	60 cycles	0.1 mm	265 - 295
Drop point	DIN ISO 2176		°C	without
Additives				
Solid lubricant, type				PTFE
Application-specific data				
Density	DIN EN ISO 3838	20°C	g/cm ³	1.89
Colour				White
DN value			mm x 1/min	300,000
Operating temperatures				
Lower operating temperature	DIN 51 805	< 1,400 hPa	°C	-20
Upper operating temperature	DIN 51 821-2	F50 (A/1500/6000), 100 h	°C	280
Maximal operating temperature			°C	300
Corrosion protection tests				
SKF-EMCOR	DIN 51 802		Corr. degree 0 - 5	0
Wear protection tests				
Four-ball test rig welding load	DIN 51 350-4		N	9,000
Four-ball test rig wear	DIN 51 350-5	1,420 1/min / 1 h / 800 N	mm	0.6

Packaging

- 120 cm³ ChronoLube cartridge
- 800 g cartridge
- 1 kg tin
- 5 kg hobbock
- 25 kg hobbock

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