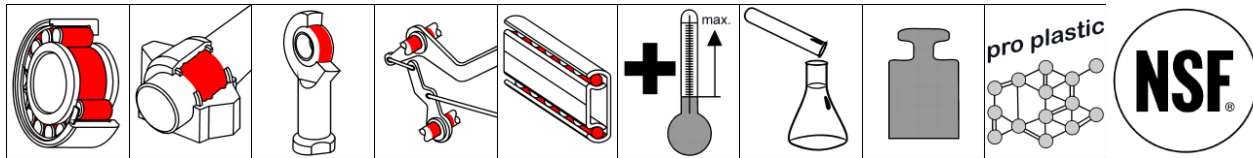


OKS 4220 Extreme-Temperature Bearing Grease



Description

Extreme-temperature grease on the basis of perfluorinated polyether oils (PFPE) for use in food processing technology at maximum loads and temperatures.

Applications

- Grease lubrication of friction and rolling bearings in the high-temperature range
- Application, for example at 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/fuel

Main fields of application

- Food processing industry
- Packaging industry
- Chemical industry

Advantages and benefits

- Maximum water and steam resistance
- Extraordinary resistance to chemicals, for example to solvents, for example benzene, benzol, acetone, trichlorethylene and against inorganic acids, such as sulphuric acid, hydrochloric acid and nitric acid as well as stearic acids, alcohols and halogens
- Excellent plastic and elastomer compatibility
- For long-term lubrication of lubrication points subjected to high pressure up to 300°C
- Broad range of applications above the temperature limits of other lubricating greases
- Reduced maintenance and lubricant costs due to possible lifetime lubrication
- NSF H1-registered

Application tips

Thorough cleaning of the bearings from other lubricants, for example with OKS 2610 / OKS 2611 universal cleaner 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. 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.

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Technical data

	Standard	Conditions	Unit	Value
Marking	Analogue to DIN 51 502	DIN 51 825		KFFK2U-30
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
Additives				
Solid lubricant, type				PTFE
Application-specific data				
Density	DIN EN ISO 3838	20°C	g/cm ³	1.92
Colour				White
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
DN value			mm/min	300,000
Operating temperatures				
Lower operating temperature	DIN 51 805	< 1,400 hPa	°C	-30
Upper operating temperature			°C	280
Maximal operating temperature			°C	300
Corrosion protection tests				
SKF-EMCOR	DIN 51 802		Corr. degree	0
Wear protection tests				
Four-ball test rig welding load	DIN 51 350-4		N	> 10,000
Four-ball test rig wear	DIN 51 350-5	1,420 1/min / 1 h / 800 N	mm	0.6
Approvals/Specifications				
Food processing technology				NSF H1 Reg. No. 124380

Packaging

- 40 ml tube
- 800 g cartridge
- 500 g tin
- 1 kg tin
- 5 kg hobbock

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