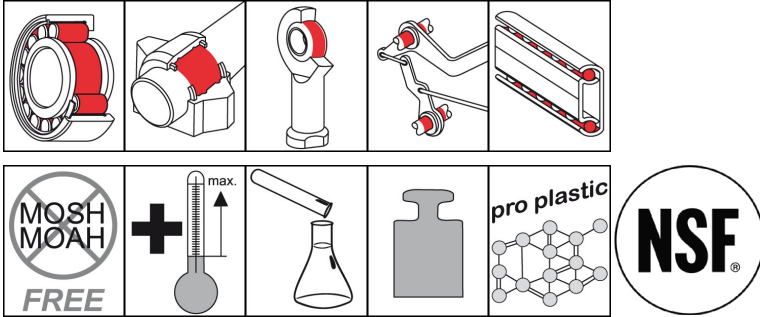


## OKS 4220

### 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

#### Branches

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

#### Advantages and benefits

- Maximum water and steam resistance
- Extraordinary resistance to chemicals, for example to solvents, for example benzene, benzol, acetone, trichloroethylene 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
- MOSH/MOAH-free



## PRODUCT INFORMATION

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#### 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.

#### Packaging

- 40 ml Tube
- 500 g Can
- 800 g Cartridge
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

#### Technical Data

	Standard	Conditions	Unit	Value
<b>Main components</b>				
base oil				perfluoropolyether (PFPE)
thickener				PTFE
solid lubricants				PTFE
<b>Application related technical data</b>				
marking	analogue to DIN 51 502	DIN 51 825		KFFK2U-30
viscosity at (40°C)	DIN 51 562-1	base oil	mm <sup>2</sup> /s	510
pour point	DIN ISO 3016	3°C step	°C	-30
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
lower operating temperature	DIN 51 805	< 1400hPa	°C	-30
upper operating temperature			°C	280
maximal operating temperature			°C	300
colour				white
density (at 20°C)	DIN EN ISO 3838		g/cm <sup>3</sup>	1.89
DN value (dm x n)			mm/min	300,000
four-ball test rig welding load	DIN 51 350-4		N	> 10,000
four-ball test rig wear	DIN 51 350-5		mm	0.6
SKF-EMCOR	DIN 51 802		corr. degree	0
<b>Properties and approvals</b>				
approval for food processing technology				NSF H1, Reg.-Nr. 124380



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**Safety data sheet** for industrial and commercial users is available for downloading under [www.oks-germany.com](http://www.oks-germany.com). Our Customer and Technical service will be pleased to help should you have any further questions.