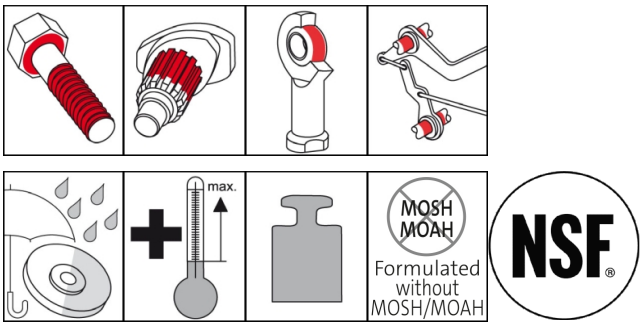
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 252
White High-Temperature Paste, for Food Processing Technology



Description

OKS 252 is a metal-free high temperature paste for lubrication of screws, bolts and sliding surfaces that are subjected to high pressures, high temperatures at low speeds or oscillating movements.

Applications

- Lubrication of all kind of high stressed sliding areas, especially at low sliding speeds or oscillating movements, e.g. at threads, joints and bayonet nut connectors made of steel or non ferrous metals
- Assembling paste with corrosion protection for screws, bolts, spikes, bushings, flanges, spindles and fittings in the whole food stuff industry
- Separation of high temperature stressed screw joints, even after a long operation time

Branches

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

Advantages and benefits

- Adheres good on metal surfaces, has a good water resistance and corrosion protection
- Good water resistance
- Prevents from tribo-corrosion
- Contains no metal pigments and is free of sulphurous materials
- Neutral to alloyed steels
- Formulation according to the FDA guideline 21CFR 178.3570
- NSF H1 registered
- Formulated without MOSH/MOAH

Application tips

For optimal adhesion clean thread and sliding areas from dirt and other lubricants, first mechanically (e.g. with wire brush) and then with OKS 2610/OKS 2611 Universal Cleaner. Apply paste evenly in a sufficient amount onto head and nut support and thread or onto the sliding areas with brush, spatula, etc. Paste has also sealing properties. Do not use paste instead of grease and mix with suitable lubricants only.

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Packaging

- 200 g Dispenser
- 250 g Brush tin
- 1 kg Can
- 5 kg Hobbock

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polyglycol
thickener				silicate
solid lubricants				white solid lubricants
Application related technical data				
Viscosity base oil	DIN 51 562-1	at 40°C	mm²/s	360
Viscosity base oil	DIN 51 562-1	at 100°C	mm²/s	57
flashing point	DIN ISO 2592	> 79	°C	> 200
worked penetration	DIN ISO 2137	60DH	0.1 mm	265-295
lower operating temperature			°C	-30
upper operating temperature		lubrication	°C	160
upper operating temperature		separation	°C	1,200
colour				light grey
density	DIN EN ISO 3838	at 20°C	g/cm³	1.58
water resistance	DIN 51 807-1	3h/90°C	Degree	1-90
Total friction coefficient (µ)	DIN EN ISO 16 047	Screw ISO 4017 A2 M10x55-70, Nut ISO 4032 A2 M10-70		0.12
breakaway torque	DIN 267-27	M10 A2, 40 Nm, 400 °C, 100 h	Nm	< 3,2 x tightening torque
press-fit test (µ)	draft DIN 51 833			0,12, no chatter
Properties and approvals				
approval for food processing technology				NSF H1, Reg.-Nr. 135748

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