

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
- MOSH/MOAH-free (as per recipe)

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 (at 40°C) | DIN 51 562-1 | | mm ² /s | 360 |
| viscosity (at 100°C) | DIN 51 562-1 | | mm ² /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 (at 20°C) | DIN EN ISO 3838 | | g/cm ³ | 1.58 |
| water resistance | DIN 51 807-1 | 3h/90°C | Degree | 1-90 |
| thread friction coefficient (μ total) | 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 | | | | |
| UFI | | | | |
| approval for food processing technology | | | | NSF H1, Reg.-Nr. 135748 |

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47
 82216 Maisach
 ☎ +49 8142 3051 - 500
 ✉ info@oks-germany.com
 🌐 www.oks-germany.com



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