

OKS 235

Aluminiumpaste, Anti-Seize-Paste



Description

Aluminium paste for assembling screw and bolt threaded connections that are subjected to high temperatures and corrosive influences.

Applications

- Assembly lubrication of machine parts, screw connections, fittings, flange and plug-in connections, guides, sliding and sealing surfaces of ovens, boilers, burners, motors, engines subject to high-temperature conditions
- Separating paste

Branches

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

Application tips

For best adhesion, clean contamination and other lubricants from thread and slide surfaces. Best way is to clean mechanically first (for example, with a wire brush) and then with OKS 2610/OKS 2611 universal cleaning agent. Apply sufficient OKS 235 evenly to the head or nut contact surface and to the thread by using a brush, spatula, etc. Do not use paste instead of grease and mix only with suitable lubricants.

Packaging

- 250 ml Brush tin
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

Advantages and benefits

- Excellently suited for preventing seizing and burning together
- Highly effective due to outstanding separating action and pressure absorption
- Good protection against ingress of splashing and condensed water
- Free of heavy metal compounds
- Good corrosion protection
- Excellent water resistance
- Wide operating temperature range
- Optimum ratio of screw tightening torque to achievable pre-tension
- Also available as spray version OKS 2351

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Technical data

| | Standard | Conditions | Unit | Value |
|---|-------------------|--|-------------------|---------------------------|
| Main components | | | | |
| base oil | | | | mineral oil |
| thickener | | | | organic/inorganic |
| solid lubricants | | | | aluminium powder |
| solid lubricants | | | | other solid lubricants |
| Application related technical data | | | | |
| drop point | DIN ISO 2176 | | °C | 110 |
| consistency | DIN 51 818 | DIN ISO 2137 | NLGI grade | 0-1 |
| unworked penetration | DIN ISO 2137 | no shear stress | 0.1 mm | 290-330 |
| oil separation | DIN 51 817 | 7d/40°C | percent in weight | < 4 |
| lower operating temperature | | | °C | -30 |
| upper operating temperature | | lubrication | °C | 110 |
| upper operating temperature | | separation | °C | 1,100 |
| colour | | | | silver |
| density (at 20°C) | DIN EN ISO 3838 | | g/cm ³ | 0.92 |
| salt spray test | DIN EN ISO 9227 | layer thickness 30 µm | h | > 400 |
| thread friction coefficient (µ total) | DIN EN ISO 16 047 | screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide | | 0.13 |
| breakaway torque | DIN 267-27 | M10 A2, 40 Nm, 400 °C, 100 h | Nm | < 2,7 x tightening torque |

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