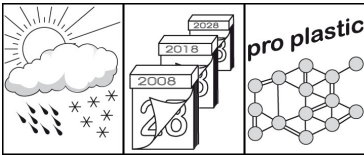


OKS 1105 Insulating Paste



Description

OKS 1105 prevents the formation of electrically conductive layers and minimises the risk of flashovers and dielectric losses. The insulators and switchgear covered with the paste thus maintain a good insulation resistance.

Applications

- Sealing lubrication for electrical or electronic equipment such as relays, plug-in connections, cable lugs and lamp sockets
- Protection of insulators and switchgear in humid atmospheres, for example of junction boxes, screw terminals, overload cutouts at high-voltage pylons, connecting cables and terminal connections
- Lubricant for plastic screw connections and other moving parts of metal, ceramic, plastic

Advantages and benefits

- Excellent water repellent properties
- Excellent surface wetting
- Good adhesion on glass, porcelain and plastics
- Stable consistency across a wide temperature range
- Very good resistance to chemical and weather-based influences (e.g. ozone, UV radiation)
- Neutral with regard to many materials
- Small change in the dielectric properties across a wide temperature range

Branches

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

Application tips

For optimum effectiveness, clean the point to be protected. Best way is to clean mechanically first and then with OKS 2610/OKS 2611 universal cleaner. Apply OKS 1105 evenly. Avoid excesses. Observe the plant manufacturer's instructions. If the protective layer is saturated with conductive particles, remove these and apply a new coating.



PRODUCT INFORMATION

OKS 1105 Insulating Paste

Packaging

- 500 g Can
- 5 kg Hobbock

Technical Data

| | Standard | Conditions | Unit | Value |
|---|------------------------|--|-------------------|---------------------------|
| Main components | | | | |
| base oil | | | | polydimethylsiloxane |
| thickener | | | | inorganic |
| Application related technical data | | | | |
| marking | analogue to DIN 51 502 | | | MSI23S-40 |
| drop point | DIN ISO 2176 | | °C | without |
| unworked penetration | DIN ISO 2137 | | 0.1 mm | 245-275 |
| resistance to oxidation | DIN 51 808 | 100h/99°C | bar | < 0.3 |
| lower operating temperature | | | °C | -40 |
| upper operating temperature | | | °C | 200 |
| colour | | | | light-coloured |
| density (at 20°C) | DIN EN ISO 3838 | | g/cm ³ | 1.0 |
| Product specific technical data | | | | |
| evaporation loss | DIN 58 397-1 | 30h, 200°C | percent in weight | < 2.5 |
| dielectric strength | DIN 53 482 | | kV/mm | approx. 35 |
| dielectric constant | | 10 ^{^2} - 10 ^{^5} Hz | | 2.75 |
| specific resistivity | DIN 53 482 | 25°C | 1/Ω cm | approx. 10 ^{^14} |

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