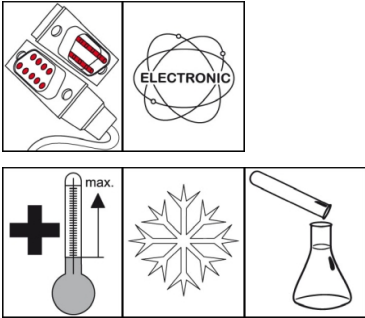


OKS 1103

Heat Sink Paste, electr. insulating



Description

Heat sink paste to protect sensitive electronic components against overheating.

Applications

- Protection of sensitive components such as sensors, probes, measuring instruments or semiconductors, such as diodes, transistors thyristors through improving the heat linking to cooling plates or metal housings
- For optimal cold transfer when using Peltier elements

Branches

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

Advantages and benefits

- Highly effective due to good heat conductivity
- Electrically insulating
- Economical due to minimal consumption quantities
- Resistant to acids and lyes
- Without significant change in the consistency as well as constant thermal conductivity across the entire temperature range

Application tips

For optimum effect, carefully clean the contact point, e.g. with OKS 2610/OKS 2611 universal cleaner. Apply evenly and thinly to the functional surfaces with a brush, spatula, etc. Avoid excesses. Plastic based on silicone, for example silicone rubber can be attacked by silicone grease. Check compatibility before use.

Packaging

- 40 ml Tube
- 500 g Can
- 5 kg Hobbock

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Technical data

| | Standard | Conditions | Unit | Value |
|---|-----------------|--------------|---------------------|----------------------|
| Main components | | | | |
| base oil | | | | polydimethylsiloxane |
| thickener | | | | inorganic |
| solid lubricants | | | | metal oxides |
| Application related technical data | | | | |
| marking | DIN 51 502 | DIN 51 825 | | MSI3R-40 |
| viscosity at (40°C) | DIN 51 562-1 | | mm ² /s | 75 |
| viscosity at (100°C) | DIN 51 562-1 | | mm ² /s | 32 |
| pour point | DIN ISO 3016 | 3°C step | °C | < -50 |
| flashing point | DIN ISO 2592 | > 79 | °C | > 300 |
| consistency | DIN 51 818 | DIN ISO 2137 | NLGI grade | 3 |
| worked penetration | DIN ISO 2137 | 60DH | 0.1 mm | 220-250 |
| lower operating temperature | | | °C | -40 |
| upper operating temperature | | | °C | 180 |
| colour | | | | white |
| density (at 20°C) | DIN EN ISO 3838 | | g/cm ³ | 1.55 |
| Product specific technical data | | | | |
| thermal conductivity | DIN 52 612 | 21°C | W/(m·K) | approx. 0.7 |
| thermal capacity (21°C): | | | J/cm ³ K | approx. 1.03 |
| dielectric strength | DIN 53 482 | | kV/mm | approx. 19 |

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Our Customer and Technical service will be pleased to help should you have any further questions.