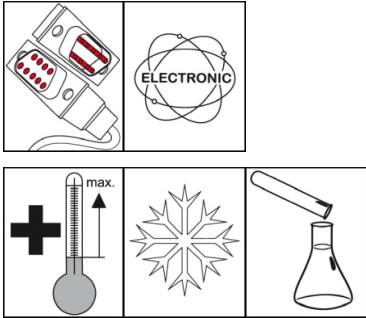


OKS 1103

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

OKS 1103

Heat Sink Paste, electr. insulating

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 |
| Properties and approvals | | | | |
| UFI | | | | |

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

+49 8142 3051 - 500

info@oks-germany.com

www.oks-germany.com

a brand of
FREUDENBERG

The information in this publication reflects state-of-the-art technology, as well as extensive testing and experience. Due to the diversity of possible applications and technical realities, they can only serve as recommendations and are not arbitrarily transferable. Therefore, no obligations, liability or warranty claims can be derived from them. We only accept liability for the suitability of our products for particular purposes, and for certain properties of our products, in the event that we have accepted such liability in writing in the individual case. Any case of justified warranty claims shall be limited to the delivery of replacement goods free of defects, in the event that this subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular the liability for consequential injuries or damage, shall always be excluded. Prior to use, the customer must conduct its own testing to prove suitability. The data are subject to change for the sake of progress. ® = Registered trademark
Product restricted to professional users. Safety data sheet available for download at www.oks-germany.com
Our Customer and Technical service will be pleased to help should you have any further questions.