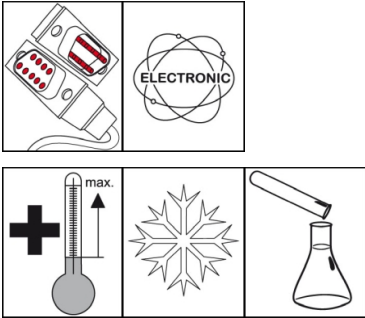


## OKS 1103

### 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                |
|-------------------------------------------|-----------------|--------------|------------|----------------------|
| <b>Main components</b>                    |                 |              |            |                      |
| base oil                                  |                 |              |            | polydimethylsiloxane |
| thickener                                 |                 |              |            | inorganic            |
| solid lubricants                          |                 |              |            | metal oxides         |
| <b>Application related technical data</b> |                 |              |            |                      |
| marking                                   | DIN 51 502      | DIN 51 825   |            | MSI3R-40             |
| viscosity (at 40°C)                       | DIN 51 562-1    |              | mm²/s      | 75                   |
| viscosity at (100°C)                      | DIN 51 562-1    |              | mm²/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/cm³      | 1.55                 |
| <b>Product specific technical data</b>    |                 |              |            |                      |
| thermal conductivity                      | DIN 52 612      | 21°C         | W/(m·K)    | approx. 0.7          |
| thermal capacity (21°C):                  |                 |              | J/cm³K     | approx. 1.03         |
| dielectric strength                       | DIN 53 482      |              | kV/mm      | approx. 19           |

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