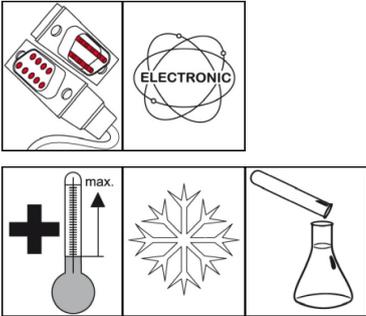


## OKS 1103

### 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

#### 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 base oil	DIN 51 562-1	at 40°C	mm <sup>2</sup> /s	75
Viscosity base oil	DIN 51 562-1	at 100°C	mm <sup>2</sup> /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	DIN EN ISO 3838	at 20°C	g/cm <sup>3</sup>	1.55
<b>Product specific technical data</b>				
thermal conductivity	DIN 52 612	21°C	W/(m·K)	approx. 0.7
thermal capacity		bei 21°C	J/cm <sup>3</sup> K	approx. 1.03
dielectric strength	DIN 53 482		kV/mm	approx. 19

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.