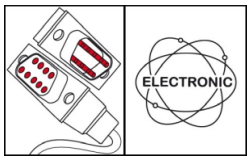
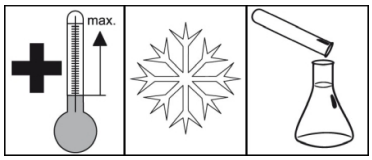


PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

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

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

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

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

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