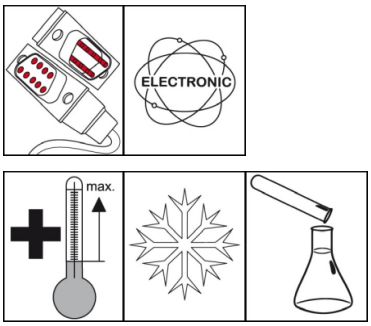
OKS 1103

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

PRODUCT INFORMATION

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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^3K	approx. 1.03
dielectric strength	DIN 53 482		kV/mm	approx. 19

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