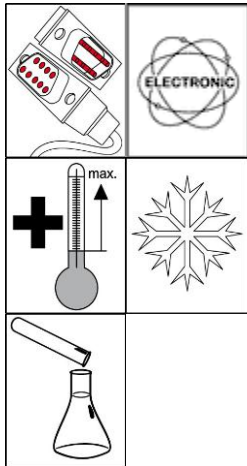




## OKS 1103 - Product Information

### OKS 1103 Heat Sink Paste



#### Fields of Application:

Heat protection of sensitive components, e.g. sensors, probes, measuring instruments and semiconductors, diodes, transistors and thyristors mounted on cooling plates or metal housings.

#### Advantages and Benefits:

Highly effective due to high heat conductivity. Neutral behaviour toward materials used. Consistent properties without drying out, hardening or bleeding. Increased protection for all heat-sensitive electric components. Economical due to minimal consumption quantities. Chemically resistant to acids and lyes. Difficult to dissolve in most solvents with simultaneous electrical insulation. Without significant change in consistency over entire temperature range.

#### Application:

For best results clean the lubrication point with OKS 2610/ OKS 2611 Universal cleaner. Use a brush, spatula or similar to apply evenly thin to contact surface. Avoid excesses. Silicone-based plastics, e.g. silicone rubber, can be dissolved by silicone grease. For additional questions please contact our Technical Department.

#### Additional Information:

Packaging (Article number):

- 100 g Tube (01103012)
- 500 g Tin (01103031)
- 5 kg Hobbock (01103050)

Version:

E-08.1/14

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## OKS 1103 Heat Sink Paste

### Technical Data

	Norm	Condition	Unit	Value
Classification	DIN 51 502	DIN 51 825		MSI3R-40
<b>Base Oil</b>				
Type				Polydimethylsiloxane
Viscosity	DIN 51 562-1	40°C	mm²/s	75
	DIN 51 562-1	100°C	mm²/s	32
Pourpoint	DIN ISO 3016	3°C step	°C	< -50
Flash point	DIN ISO 2592	> 79	°C	> 300
<b>Thickener</b>				
Type				anorganic
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	3
Worked penetration	DIN ISO 2137	60 double strokes	0,1 mm	220 - 250
<b>Additives</b>				
Solids, type				metal oxides
<b>Application Data</b>				
Density	DIN EN ISO 3838	+20°C	g/cm³	1,55
Colour				white
<b>Service Temperatures</b>				
Minimum service temperature			°C	-40
Maximum service temperature			°C	180
<b>Releases / Specifications</b>				
Heat conductivity	DIN 52 612	at 21 °C	W/mK	approx. 0,7
Dielectric strength	DIN 53 481	at 20 °C	kV/mm	approx. 19
Heat capacity		at 21 °C	J/cm³K	approx. 1,03

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