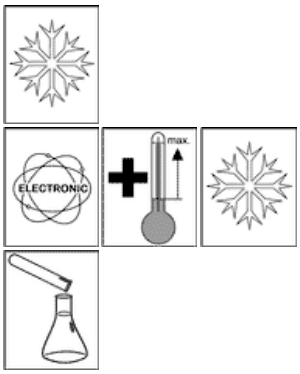
OKS 1103 - Product Information

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 optimum effectiveness, first clean contact surface carefully, best with OKS 2610 or 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. OKS 1103 should be used up within 6 months after delivery date. For further questions please contact our Technical department.

Additional Information:

Packaging (Article number):
- 100 g Tube (01103012)
- 500 g Tin (01103031)
- 5 kg Hobbock (01103050)
- 25 kg Hobbock (01103062)

Version
E-08.1/08

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Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		MSI3R-40
Base oil				
Type				Polydimethylsiloxane
Viscosity	DIN 51 562-1 DIN 51 562-1	40°C 100°C	mm²/s mm²/s	75 32
Pourpoint	DIN ISO 3016	3°C step	°C	< -50
Flash point	DIN ISO 2592	> 79	°C	> 300
Thickener				
Type				anorganic
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	3
Worked penetration	DIN ISO 2137	60 DH	0,1 mm	220 - 250
Additives				
Solids, type				metal oxides
Application Data				
Density	DIN EN ISO 3838	+20°C	g/cm³	2,2
Colour				white
Service Temperatures				
Minimum service temperature			°C	-40
Maximum service temperature			°C	180
Heat conductivity	DIN 52 612	at 21 °C	W/mK	appr. 0,7
Heat kapazity		at 21°C	J/cm³K	appr. 10,3
Dielectric strength	DIN 53 481	at 20°C	kV/mm	appr. 19