

THERMAL GREASE

series: MSC



- High concentration of heat conductive oxides and fillers.
- Thermal Conductivity: 3.2 w/mk.
- Easy to apply.
- Low thermal resistance.
- Supplied in 1kg tubs.
- Fills micro gaps between electronic devices and heat sinks.
- Typical applications include LED, M/B, LCD-TV NB and PCs.

Properties	MSC-310	MSC-320	Method
Colour	Light Grey	Grey	Visual
Viscosity at 25°C	Non flowing	Non flowing	Brookfield RVF#7
Specific Gravity	2.65	2.40	2.65
Solvent Content (%)	0	0	-
Operation Temperature °C	-40 ~ 150	-40 ~ 120	-
Thermal Conductivity (w/mk)	3.2	4.0	ASTM D5470
Penetration, 10-1mm	180 ~ 200	300	ASTM D217
Dielectric Strength (V/mil)	200	tba	ASTM D149
Volume Resistance (ohm-cm)	1.0x10 ¹²	1.0x10 ¹⁹	ASTM D257
Bleed (%)	0.01	<2.3	200°C @ 24 hours
Evaporation (%)	<0.3		200°C @ 24 hours
Thermal Cycle (-%)	25°C/30~80°C/30 min No Degeneration		Thermal impedance 100 cycles
Compound	Silicone based metal oxide and metal powder		

Shelf Life and Storage

- Product should be stored in unopened container below 25°Cx60%RH.
- Shelf life is 12 months from date of shipment from factory.
- We recommend stirring before use.
- After use the cover should be tightly attached to avoid contamination