



Description

This product is a high performance thermal interface non-silicone grease

Features

- NO Low MW siloxane E
- Low contact resistance
- Bondline thickness of 50µm
- Can be dispensed or screen and stencil machine printed
- Exceptionally low thermal resistance
- No pump out of reliability issues
- Ease of application and rework

Applications

Displays, lighting protection

PDP TV, LCD CCFL and LCD LED display backlight, LED signage, projectors and new display technology.

Consumer and industrial electronics

Mobile telephone, communication base station, laptop, notebook, computer servers, handheld gaming devices, memory modules, CPU modules, amplifiers, batteries, and DC to DC converter power supplies.

Automotive electronics

Engine management, electronic suspension, braking systems, communication and multimedia systems, comfort convenience features, vehicle lighting, vehicle controls, hybrid vehicle battery thermal management, electric vehicle thermal management.

Properties

Characteristic	Value	Test Method
Filler	Non-metal	Visual
Viscosity	120	Pass
Density g/cm ³	2.1	ASTM D792
Colour	White	-
Low MW Siloxane ppm	0	D4-D20
Outgassing (TML)	0.5% / Wt	ASTM E595
Outgassing (CVCM)	0.1% / Wt	ASTM E595
Thermal Conductivity	2Wm/K	ASTM D5470
Thermal Impedance	0.04°C-mm ² /W	ASTM D5470
Bond line Thickness	0.005mm	-
Dielectric Strength	13kV/mm	ASTM D149
Volume Resistivity	10 ¹⁴ Ohm-cm	ASTM D257
Operating Temperature Range	-50°C to +150°C	-

Part Number Table

Description	Part Number
Thermal Non-silicone Grease, Non-metal, 2W/mK, 30g	MPGCS-020-GNS-30g

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