

# 127 SERIES HIGH PERFORMANCE THERMAL GREASE DATA SHEET

## HIGH PERFORMANCE NON-SILICONE

The **127-6 Series** is a specially formulated **without diluent or solvent**. Offers dispensable and screen printable consistency to achieve low BLT and optimum thermal conductivity for optimum thermal performance. Exhibits excellent resistance to pump out, outgassing and phase separation while eliminating concern of silicone deposition on optics and electronics within any package.

The **127-6 Series** is a high performance thermal grease designed to meet the thermal and reliability requirements of CPU, high end chipsets and graphic processors as they trend for ever-faster clock speeds. RoHS, REACH compliant and halogen-free.

### FEATURES

- High thermal conductivity (**6.0 W/m-K**)
- Zero pump out and phase separation
- Low BLT
- Tacky, thixotropic paste
- Non-silicone advantages; no creep or contamination
- 1 Year shelf life

### SIZE

Part Number: **127-6-10** (10cc Syringe)

Other sizes available upon request

### APPLICATIONS

- Interface for semiconductors requiring low pressure or spring clamp mounting
- Thermal sensors, TEC modules, thermal wells
- IGBT's, LED
- Power Transistors, diodes, power resistors
- CPU/GPU/heat sink



TYPICAL PROPERTY	TEST METHOD	RESULTS
Type		Silicone free
Special feature		High thermal conductivity. Tacky, zero pump out. No-solvent
Color	Visual	Grey
Viscosity 5 rpm @ 25°C, PaS	Helipath	900-1200
Specific gravity	ASTM D792	2.4
Operating temperature range. °C		-55°C to 200°C
Shelf life @25C		1 Year
<b>THERMAL</b>		
Thermal conductivity (W/m-K)	ASTM D5470	<b>6.0</b>
<b>ELECTRICAL</b>		
Breakdown voltage (KV/mm)	ASTM D149	2.8
Dissipation factor (1KHz)	ASTM D150	0.12
Volume resistivity (Ohm-cm)	ASTM D257	10^9

### DISCLAIMER:

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