

# 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

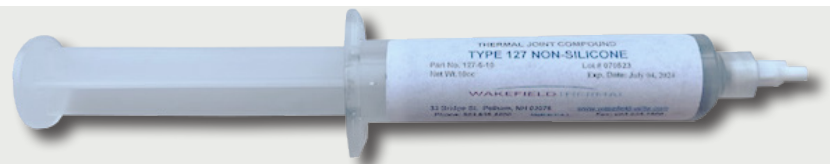
- High thermal conductivity (**6.0 W/m-K**)
- Zero pump out and phase separation
- Low BLT
- Tacky, thixotropic paste
- Non-silicone advantages; no creep or contamination
- 1 Year shelf life

### 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

### SIZE

Part Number: **127-6-10** (10cc Syringe)  
Other sizes available upon request



| 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 <sup>^9</sup>  |

#### DISCLAIMER:

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