

# TT3000

## Nano Thermal Grease

LiPOLY TT3000 is a Nano type thermal interface material based on a unique formula. TT3000's formulation is solvent-free. We used a unique silicone oil which interacts with thermally conductive fillers, making the compounds extremely stable, preventing pump-out problems and other common failure mechanisms. TT3000 has high thermal conductivity, low thermal resistance, improving the components performance as well as the product lifecycle.

### ■ FEATURES

- / Thermal conductivity:6.0 W/m\*K
- / Excellent thermal conductivity
- / Stable and homogeneous compound to ensure thermal performance
- / Formula can fill the gap at low pressure
- / High stability and reliability
- / Solvent-free formula
- / The product is qualified for ROHS and REACH

### ■ TYPICAL APPLICATION

- / CPU and chip coolers
- / Switching power supplies
- / Between any heat-generating component and heat Sink

### ■ CONFIGURATIONS

- / Cartridges: 50ml
- / Tinplate Can: 1kg
- / Other special and custom sizes are available upon request

### ■ PRESERVATION

It can be preserved for 60 months under the condition of unopened and under room temperature 25°C.

PROPERTY	TT3000	TEST METHOD	UNIT
Color	White	Visual	-
Resin base	Silicone	-	-
Filler	Non-Metal	-	-
Viscosity	300	ISO 3219	Pa.s
Density	3.3	ASTM D792	g/cm <sup>3</sup>
Application temperature	-60~180	-	°C
Bond line thickness	10	-	µm
Shelf life	60 months	-	-
ROHS & REACH	Compliant	-	-
ELECTRICAL			
Dielectric breakdown	8	ASTM D149	KV/mm
Volume resistivity	>10 <sup>12</sup>	ASTM D257	Ohm-m
THERMAL			
Thermal conductivity	6.0	ASTM D5470	W/m*K
Thermal impedance@50psi	0.007	ASTM D5470	°C-in <sup>2</sup> / W
Thermal impedance@50psi	5.0	ASTM D5470	°C-mm <sup>2</sup> / W



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