LiPOLY®
SHIU LI TECHNOLOGY CO.,LTD

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
/ 5G base station & infrastructure
/ EV electric vehicle

TYPICAL PROPERTIES

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/cm³
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	$>10^{12}$	ASTM D257	Ohm-m
THERMAL			
Thermal conductivity	6.0	ASTM D5470	W/m*K
Thermal impedance@50psi	0.007	ASTM D5470	°C-in²/ W
Thermal impedance@50psi	5.0	ASTM D5470	°C-mm²/ W

CONFIGURATIONS

/ 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℃.