

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

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°C.

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	>1012	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



Note: All specifications provided by LiPOLY are subject to change without notice. The test methods used by LiPOLY are based on the TIM Tester method and ASTM D5470 test method. These test methods are used as the definition standards for LiPOLY. Property values provided in this document are not for product specifications or guaranteed. This document does not guarantee the performance and quality required for the purchaser's specific purpose. The purchaser needs to evaluate and verify the safety before using the material. We strongly recommend the purchaser pretest the product and verify the performance of the product targets' specific conditions. Liability and use of the product are the responsibility of the end user. LiPOLY makes no warranty as to the suitability, mon-infringement of any LiPOLY material or product for any specific or general uses. LiPOLY shall not be liable for incidental orconsequential damages of any kind. All LiPOLY products are sold in accordance with the LiPOLY Terms and Conditions in effect at the time of purchase and a copy of which will be (minished upon request. All inplus reserved, including LiPOLY trademarks or registered trademarks of LiPOLY or its affiliates. Statements concerning possible or suggested uses made herein shall not be relied upon or be constructed as a guaranty of patent infringement. Copyright LiPOLY