LiPOLY®
SHIU LI TECHNOLOGY CO.,LTD

G3380A/B/K/T

Thermal Grease Series

LiPOLY G3380 thermal interface grease has low thermal resistance and great thermal conductivity. G3380 has been used extensively in Consumer electronics and Microprocessors for their thermal control techniques. The grease can cover several coats on the component interface. When the component's temperature rises, the grease stickiness will decrease, which can moisten the interface components.

FEATURES

/ Thermal conductivity: 1.3 / 3.2 / 4.5 /6.0 W/m*K
/ Low thermal impedance
/ Can be applied manually dispensed or screen printed
/ Low minimum bond line

TYPICAL APPLICATION

/ LED appliance
/ EV electric vehicle
/ CPU and chip coolers
/ Switching power supplies
/ 5G base station & infrastructure
/ Between any heat-generating component and heat sink

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℃.

TYPICAL PROPERTIES

PROPERTY	G3380A	G3380B	G3380K	G3380T	TEST METHOD	UNIT
Color	White	Gray	Gray	Gray	Visual	-
Resin base	Silicone	Silicone	Silicone	Silicone	-	-
Filler	Non-Metal	Non-Metal	Non-Metal	Non-Metal	-	-
Viscosity	16.5	130	104	181	ISO 3219	Pa.s
Density	2.2	2.7	2.7	2.7	ASTM D792	g/cm³
Application temperature	-60~180	-60~180	-60~180	-60~180	-	°C
Bond line thickness	55	33	30	30	-	μm
Shelf life	60 months	60 months	60 months	60 months	-	-
ROHS & REACH	Compliant	Compliant	Compliant	Compliant	-	-
ELECTRICAL						
Dielectric breakdown	14	11	11	11	ASTM D149	KV/mm
Volume resistivity	$>10^{11}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	ASTM D257	Ohm-m
THERMAL						
Thermal conductivity	1.3	3.2	4.5	6.0	ASTM D5470	W/m*K
Thermal impedance@50psi	0.05	0.03	0.02	0.01	ASTM D5470	°C-in²/ W
Thermal impedance@50psi	32.2	19.3	12.9	6.4	ASTM D5470	°C-mm²/ W