LiPOLY®
SHIU LI TECHNOLOGY CO.,LTD

G3380NA/NJ/NK/NT

Non-Silicone Thermal Grease Series

Non-Silicone Thermal Compound G3380N is made of non-silicon resin material and pollution of optical surfaces. Low thermal resistance and great thermal conductivity. G3380N 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
/ No outgassing
/ Low thermal impedance

TYPICAL APPLICATION

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

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℃.

TYPICAL PROPERTIES

PROPERTY	G3380NA	G3380NJ	G3380NK	G3380NT	TEST METHOD	UNIT
Color	White	Gray	Gray	Gray	Visual	-
Resin base	Non-Silicone	Non-Silicone	Non-Silicone	Non-Silicone	-	-
Filler	Non-Metal	Non-Metal	Non-Metal	Non-Metal	-	-
Viscosity	96	120	106	146	ISO 3219	Pa.s
Density	2.2	2.7	2.7	2.8	ASTM D792	g/cm³
Application temperature	-60~150	-60~150	-60~150	-60~150	-	°C
Bond line thickness	55	39	27	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