G3380

Thermal Interface Grease

LiPOLY G3380 with low thermal resistance, great thermal conductive, which has been extensively use on Consumer electronics and Microprocessor for their thermal control techniques. The thermal interface grease can cover several coat on the component interface, when the component’s temperature raise, thermal interface grease stickiness will decrease, which can moisten the interface of components.

Features-

- Thermal conductivity: 1.3 / 3.2 / 4.5 /6.0 W/m*K
- Low thermal impedance

Typical Applications-

- CPU and chip coolers
- Switching power supplies
- LED appliance
- Between any heat-generating component and heat sink

Specifications-

- Storage temp : RT25℃
- Stock shelf Life : 12 months from date of shipment

PROPERTY	G3380A	G3380B	G3380C	G3380D	TEST METHOD	UNIT
Color	White	Gray	Gray	Gray	Visual	-
Resin Base	Silicone	Silicone	Silicone	Silicone	-	-
Filler	Non-metal	Non-metal	metal	metal	-	-
Viscosity	16.5	322	126	136	ASTM D2196	PaS
Density	2.2	2.7	2	2	ASTM D792	g/cm^3
Application temperature	-60~180	-60~180	-60~180	-60~180	-	℃
Bond Line Thickness	55	33	72	30	-	μm
ELECTRICA						
Dielectric breakdown	350	280	N/A	N/A	ASTM D149	V/mil
Volume resistivity	>10^{11}	>10^{11}	N/A	N/A	ASTM D257	Ohm-m
THERMAL						
Thermal Conductivity	1.3	3.2	4.5	6.0	ASTM D5470	W/m*K
Thermal impedance@50 psi	0.05	0.035	0.02	0.01	ASTM D5470	℃-in^2/W
Thermal impedance@50 psi	32.2	22.5	12.9	6.0	ASTM D5470	℃-mm^2/W

※These data are provided for reference only. Engineers are reminded to test the material in varied application.