

G3380

Thermal Interface Grease

LiPOLY G3380 is a range of thermal greases with thermal conductivities from 1.3-6.0 W/m*K. G3380 can be applied using a number of manufacturing-friendly solutions such as dispensing, screen or stencil printing. With reduced pump-out and excellent longterm stability G3380 can be used for even the most demanding of thermal applications.

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 Applications-

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

Specifications-

- Storage temp: RT25°C
- Stock shelf life: 12 months from date of shipment



Typical Properties-

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	ISO 3219	Pa.s
Density	2.2	2.7	2.0	2.0	ASTM D792	g/cm ³
Application temperature	-60~180	-60~180	-60~180	-60~180	-	°C
Bond Line Thickness	55	33	30	30	-	µm
ELECTRICAL						
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@50psi	0.05	0.03	0.02	0.01	ASTM D5470	°C-in ² /W
Thermal impedance@50psi	32.2	22.5	12.9	6.0	ASTM D5470	°C-mm ² /W