

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	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	-	°C
Bond Line Thickness	55	33	72	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@50 psi	0.05	0.035	0.02	0.01	ASTM D5470	°C-in ² /W
Thermal impedance@50 psi	32.2	22.5	12.9	6.0	ASTM D5470	°C-mm ² /W

G3380N

Non-Silicone Thermal Interface Grease

LiPOLY G3380N is a range of silicone-free thermal grease used for the cooling of components which may be sensitive to silicone outgassing. G3380N can be applied manually, using automated dispensing systems or stencil printing for ease of manufacture.



Features-

- Thermal conductivity: 1.3 / 3.2 / 4.5 W/m*K
- No outgassing
- 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°C
- Shelf Life: 12 months from date of shipment

Typical Properties-

PROPERTY	G3380NA	G3380NB	G3380NC	TEST METHOD	UNIT
Color	White	Gray	Gray	Visual	-
Resin Base	Non-Silicone	Non-Silicone	Non-Silicone	-	-
Filler	Non-metal	metal	metal	-	-
Viscosity	96	43	93	ASTM D2196	PaS
Density	2.2	1.9	2.1	ASTM D792	g/cm ³
Application temperature	-60~150	-60~150	-60~150	-	°C
Bond Line Thickness	55	33	72	-	µm
ELECTRICAL					
Dielectric breakdown	350	N/A	N/A	ASTM D149	V/mil
Surface resistivity	>10 ¹¹	N/A	N/A	ASTM D257	Ohm
Volume resistivity	>10 ¹¹	N/A	N/A	ASTM D257	Ohm-m
THERMAL					
Thermal Conductivity	1.3	3.2	4.5	ASTM D5470	W/m*K
Thermal impedance@50 psi	0.05	0.035	0.02	ASTM D5470	°C-in ² /W
Thermal impedance@50 psi	32.2	22.5	12.9	ASTM D5470	°C-mm ² /W