G3380NA/NB/NC

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

Configurations-

•Cartridges: 50ml, 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	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	ISO 3219	Pa.s
Density	2.2	1.9	2.1	ASTM D792	g/cm^3
Application temperature	-60~150	-60~150	-60~150	-	℃
Bond Line Thickness	55	33	30	-	μm
Shelf Life	60 months	60 months	60 months	-	-
ROHS&REACH	yes	yes	yes	-	-
ELECTRICAL					
Dielectric breakdown	350	280	N/A	ASTM D149	V/mil
Volume resistivity	$>10^{11}$	$>10^{11}$	N/A	ASTM D257	Ohm-m
THERMAL					
Thermal Conductivity	1.3	3.2	4.5	ASTM D5470	W/m*K
Thermal impedance@50psi	0.05	0.03	0.02	ASTM D5470	$℃-in^2/W$
Thermal impedance@50psi	32.2	22.5	12.9	ASTM D5470	$℃-in^2/W$

Note:
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