

HIGH THERMAL CONDUCTIVITY

TG-NS13



TGNS-13 is a thixotropic thermal grease formulated to deliver exceptional thermal performance and high dielectric properties.

TGNS-13 is durable and will resist pump-out or bleed. The compound is developed as a replacement for all general purpose silicone and non-silicone greases.

TGNS-13 has 1.3W/mK thermal conductivity and is capable of being spread into a very thin bond line for extremely low thermal resistance.

Properties	Unit	TG-NS13	Test Method
Base material	-	NON-Silicone based thermal grease	Visual
Color	-	White	Visual
Thermal Properties			
Thermal conductivity	W/mK	1.3	ASTM D5470
Operating temperature	°C	-45 up to 180	-
Electrical Properties			
Dielectric strength, 0.05`` gap	V/mil	265	ASTM D149
Dielectric constant @25 °C @1,000 Hz	-	5.2	ASTM D150
Volume resistivity	Ω.cm	2.0 x 10 ¹⁵	ASTM D-257
Dissipation factor @25 °C @1,000 Hz	-	0.0022	ASTM D150
Mechanical Properties			
Flow rate	(grams/min)	2 to 7	-
Specific gravity	@ 25 °C	2.8	
Consistency	Penetration, worked, 60x	340	ASTM D-217
Evaporation @ 150°C, 24 Hrs, %/W	-	1.0	FTM-321 Modified
Bleed @ 150°C, 24 Hrs, %/W	-	0.0	FTM-321 Modified
Anticipated minimum bond line			
Based on filler dimensions	Mil	0.5	
Physical Properties			
Standard packaging	Gr	450	-
MOQ	Gr	450	-

Ordering example:

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TG = Thermal Grease / NS = Non silicone / 13 = 1.3W/mK

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