NYSTEIN Thermal Gel Flextein® TG860F

Technical Data Sheet

Product Description:

Flextein TG860F is an ultra-low volatile, high-performance fluidic thermal interface material for heat sink modules or components with wide variations in thickness. Its inherent adhesive properties eliminate the need for a bonding layer, while its good wetting properties allow for full contact between mating components to improve heat transfer efficiency. It does not need to be die-cut, and can be directly dispensed between the thermal device and the heat sink/case, which can replace the thermal spacer to improve the thermal conductivity and reduce the cost.

Unlike thermally conductive silicone grease, Flextein TG860F thermally conductive gel is non-sedimentary, non-runny and suitable for automatic dispensing equipment.

Features & Benefits:

- Thermal conductivity 6.0 W/m·K
- Ultra-low volatility
- High weatherability and reliability
- Easy dispensing, good mouldability



Typical Property Data:

Property	Unit	Parameter	Test Method
Appearance		Blue	Visual
Min. Used Thickness	mm	0.2	ASTM D374
Extrusion rate	g/min	35	Nystein
Thermal Conductivity	W/m · K	6.0	ISO 22007-2
Density	g/cm ³	3.25	ASTM D792
Thermal Resistance	@50 psi	0.042 °C·in²/W	ASTM D5470
Dielectric Strength	kV/mm	≥6.0	ASTM D149
D3-D20	ppm	0	Nystein
Volume Resistivity	Ω·cm	≥ 1.0 × 10 ¹²	ASTM D257
Service Temp	°C	-40 to 150	Nystein
Flame Rating		V-0	94 UL
RoHS		Yes	Nystein



Typical Application:

- Tablet, multimedia devices
- Desktops, laptops and servers
- LED lighting equipment
- 5G Optical Module
- Optical fibre communication equipment
- Automotive electronics
- Fragile/Fragile Components, Enclosure Connections
- Military electronics

Configuration Available:

- 30cc, 55cc, 300cc Syringe.
- 1kg, 10kg pail.

Storage conditions:

- Sealed at room temperature away from light, and stored in a dry place.
- Best Storage conditions: Temperature: 25°C (±5), Humidity: 50% (±10), can be stored for 12 months.
- The materials taken out after opening may be contaminated during use, so please do notmix contaminated products with unopened products.Nystein assumes no responsibily for contaminated products or conditions other than the required storage conditions.
- For additional information, please contact your appropriate sales, technical support, orcustomer service representative promptly.

Declare

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