

NYSTEIN Thermal Gel Flextein® TG803

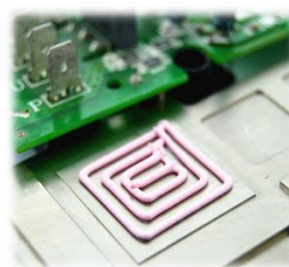
Technical Data Sheet

Product Description:

Flextein TG803 is special designed for use in high performance devices requiring minimal thermal resistance for maximum thermal performance and component reliability. It requires no cure cycle and can be readily re-worked. This compliant material requires low compression force to conform over irregular interfaces and can be applied to single devices with minimum bond-line thickness as well as to multiple devices with variable tolerances. The cross-linked gel structure provides superior long term thermal stability and reliable performance over conventional greases.

Features & Benefits:

- Thermal conductivity 3.5 W/m·K
- Ultra low thermal resistance
- Easy to dispense
- Ultra low compression force
- Long-term reliability
- RoHS compliant



Typical Property Data:

Property	Unit	Parameter	Test Method
Appearance	- -	Pink	Visual
Min. Used Thickness	mm	0.15	ASTM D374
Extrusion rate	g/min	22	Nystein
Thermal Conductivity	W/m · K	3.5	ISO 22007-2
Density	g/cm ³	3.05	ASTM D792
Thermal Resistance	@50 psi °C·in ² /W	0.06	ASTM D5470
Dielectric Strength	kV/mm	≥6.0	ASTM D149
TML (CVCM)	%	≤0.15 (0.05)	ASTM E595
Low volatility content (D4 - D20)	ppm	<50	Gas Chromatograph
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:

- Car Electronics
- Smartphone, Tablet Multimedia
- High-end network equipment
- Optical Communication Module
- LED lighting equipment
- Printed circuit board assemblies, enclosure connections

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 (± 3), Humidity: 50% (± 10), can be stored for 12 months.
- The materials taken out after opening may be contaminated during use, so please do not mix contaminated products with unopened products. Nystein assumes no responsibility for contaminated products or conditions other than the required storage conditions.
- For additional information, please contact your appropriate sales, technical support, or customer service representative promptly.

Declare

The information provided in this Technical Data Sheet (TDS), including product use and application recommendations, is based on our knowledge and experience with Nystein China products. The data contained in this TDS is for informational purposes only and is believed to be reliable. To obtain official product specifications for a specific product end use, please contact the sales, Application Engineer or customer service person with whom you are in contact.

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