

NYSTEIN Thermal Gel Flextein® TG850

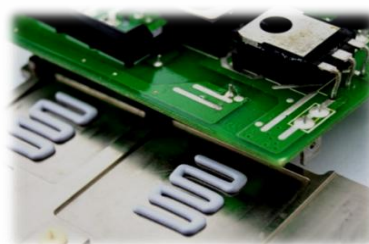
Technical Data Sheet

Product Description:

Flextein® TG850 is special designed for use in high performance devices requiring minimal thermal resistance for maximum thermal performance and component reliability. In addition to providing application flexibility and variable gap adaptation, TG850 will exert minimum stress on your component while maintaining interface contact to maximize thermal transfer. It requires no cure cycle and it's cross-linked gel structure provides superior long term thermal stability and reliable performance over conventional greases.

Features & Benefits:

- Thermal conductivity 5.0 W/m·K
- High weather resistance and reliability
- Easy to dispense, good malleability



Typical Property Data:

Property	Unit	Parameter	Test Method
Appearance	—	Blue	Visual
BLT	mm	0.15	ASTM D374
Extrusion rate	g/min	35	Nystein
Thermal Conductivity	W/m · K	5.0	ISO 22007-2
Density	g/cm ³	3.2	ASTM D792
Thermal Resistance	@50 psi °C·in ² /W	0.04	ASTM D5470
Dielectric Strength	kV/mm	≥6.0	ASTM D149
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:

- Consumer electronics, communication equipment
- Tablet, multimedia devices
- Desktop, portable computer and server
- LED lighting devices
- Printed circuit board assemblies, housing connections
- Fiber optic communication devices
- Automotive electronics
- Fragile/fragile assemblies, case 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 (± 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.

We are not responsible for results obtained by others using methods beyond our control. This product may have a variety of applications and different operating conditions in your environment that are beyond our control. Therefore, Nystein China assumes no responsibility for the suitability of our products for the processes and conditions under which you will use them and for the intended applications and results. We strongly recommend that you conduct tests to confirm the suitability of our products prior to their use.

This product is protected by one or more of Nystein China Chinese patents or patent applications.