

NYSEIN GAP PAD Flextein® S60T

Technical Data Sheet

Product Description:

Flextein S60T is a ultra-high thermal conductivity, low thermal resistance and high insulation. Its thermal conductivity is as high as 6.0 W/m.k, thermal resistance is as low as 0.13 °C · in²/W at a thickness of 0.15mm, and the insulation strength is >5KV, making it a thermally conductive material specially designed for application scenarios with high power consumption, high heat and high insulation requirements.

Flextein S60T has a natural one-sided adhesion, which can be gently pressed and tightened during assembly, and can be fixed on components without adhesive backing. The thickness of the product can be customised within the range of 0.15-0.3mm.

Features & Benefits:

- Thermal conductivity 6.0 W/m· K
- Flexible and excellent manoeuvrability
- Low interfacial thermal resistance
- V-0 Flame retardant grade
- Thickness range 0.006" (0.15mm)to 0.012" (0.3mm)



Typical Property Data:

Property	Unit	Parameter	Test Method
Appearance	—	Yellow	Visual
Thickness	mm	0.15 to 0.3	ASTM D374
Thermal Conductivity	W/m · K	6.0	ASTM D5470
Thermal resistance	@100psi, °C·in ² /W (0.15mm)	0.13	ASTM D5470
Density	g/cm ³	3.1	ASTM D792
Hardness	Shore A	30	ASTM D2240
Tensile Strength	MPa	0.4	ASTM D412
breakdown voltage	kV	≥5.0	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:

- MOS power tubes and IGBT modules
- Power supply modules
- LED Industry
- Automotive electronics

Configuration Available:

- Standard size 200×400 mm, sheet form and die-cut parts could be required.
- Standard thickness: 0.15mm(0.006") to 0.3mm(0.012") in 0.5mm (0.02") increments. Can be customized according to customer needs

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 12months.
- 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

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