NYSTEIN GAP PAD Flextein® S2000

Technical Data Sheet

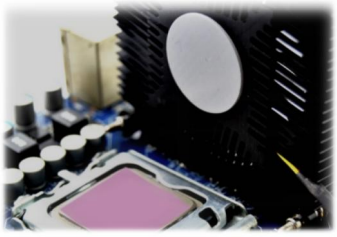
Product Description:

Flextein S2000 silicone-free thermal conductive sheet is a product system for silicone-sensitive applications with low modulus, low volatiles, no oil penetration, and no contamination of wiring, making it highly adaptable to applications where silicon contamination is a concern (telecom, aerospace). It also has the characteristics of ultra-soft and high compression, which can cover the microscopic uneven surface and thus improve heat transfer by making full contact with the mating parts.

Flextein S2000 is naturally tacky on both sides requiring no additional adhesive coating. The natural tack allows for the pad to be hold in place during assembly.

Features & Benefits:

- Thermal conductivity 2.0 W/m· K
- Available in thicknesses from 0.02" (0.50mm) to 0.16" (4.0mm)
- Silicone free and RoHS Compliant
- Naturally tacky & re-workable
- UL. 94 V-0



Typical Property Data:

Property	Unit	Parameter	Test Method
Appearance	- -	Pink	Visual
Thickness	mm	0.5 to 4.0	ASTM D374
Thermal Conductivity	W/m · K	2.0	ISO 22007-2
Hardness	Shore OO	70	ASTM D2240
Density	g/cm^3	2.4	ASTM D792
Dielectric Strength	kV/mm	≥6.0	ASTM D149
Volume Resistivity	Ω ·cm	≥ 1.0×10^{12}	ASTM D257
Dielectric Constant	@1MHz	6.5	ASTM D150
Service Temp	℃	-40 to 125	Nystein
Flame Rating	——	V-0	94 UL
RoHS	——	Yes	Nystein

Typical Application:

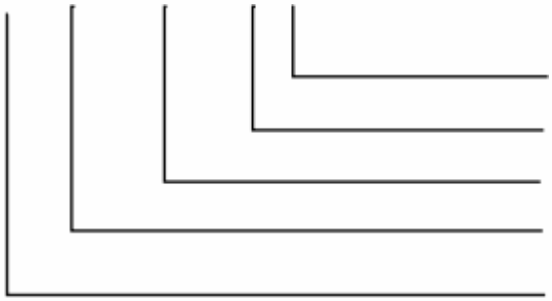
- Automotive Electronic Control Units (ECU's)
- Power Supplies & Semiconductors
- Memory & Power Modules
- Microprocessors / Graphics Processors
- Flat Panel Displays & Consumer Electronics

Configuration Available:

- Standard size 230×230 mm, sheet form and die-cut parts could be required.
- Standard thickness: 0.5mm (0.02") to 4mm (0.16") in 0.5mm (0.02") increments. Can be customized according to customer needs.
- Natural tack on one or both side option

Ordering Guide:

Flextein® S2000-020 23002300 IR D1



None: Double side tacky **D1:** Single side tacky **A1:** Single side adhesive

R: Rectangular; **IR**: Irregular

Size: 230mm*230mm

Thickness: 2.0mm

Series: S2000

Storage conditions:

- Sealed at room temperature away from light, and stored in a dry place.
- Best Storage conditions: Temperature: 25℃ (±3), Humidity: 50% (±10), can be stored for 12months.
- 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.