

NYSTEIN GAP PAD Flextein® S35

Technical Data Sheet

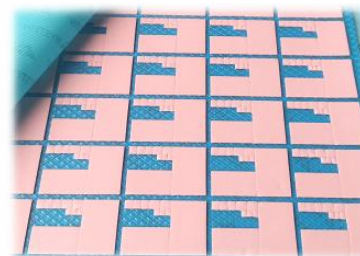
Product Description:

Flextein S35 is a highly compliant material that achieves excellent thermal conductivity while remaining cost-effective, making it an ideal thermally conductive interface material for electronic components. Suitable for a variety of demanding applications, it is suitable for filling the gaps between electronic components with its own advantages, and can achieve sealing and cushioning effects, which can significantly improve the heat transfer function between components.

Flextein S35 has an ultra-soft hardness that allows for high compression during use and can also be reinforced with glass fiber to enhance its operability.

Features & Benefits:

- Thermal conductivity 3.5 W/m·K
- The perfect combination of high performance and high cost performance
- Optional glass fiber reinforced and single-sided adhesive for easy die-cutting and assembly, reusable
- Available in thicknesses from 0.010" (0.25mm) to 0.40 (10.0mm)
- V-0 flame rating



Typical Property Data:

| Property | Unit | Parameter | Test Method |
|----------------------|-------------------|--------------------------|-------------|
| Appearance | - - | Pink | Visual |
| Thickness | mm | 0.25 to 10.0 | ASTM D374 |
| Thermal Conductivity | W/m · K | 3.5 | ISO 22007-2 |
| Hardness | Shore OO | 50 | ASTM D2240 |
| Density | g/cm ³ | 3.1 | ASTM D792 |
| Dielectric Strength | kV/mm | ≥6.0 | ASTM D149 |
| Volume Resistivity | Ω ·cm | ≥ 1.0 × 10 ¹² | ASTM D257 |
| Dielectric Constant | 1MHz | 6.3 | ASTM D150 |
| Service Temp | °C | -40 to 150 | Nystein |
| Flame Rating | — | V-0 | 94 UL |
| RoHS | — | Yes | Nystein |



Typical Application:

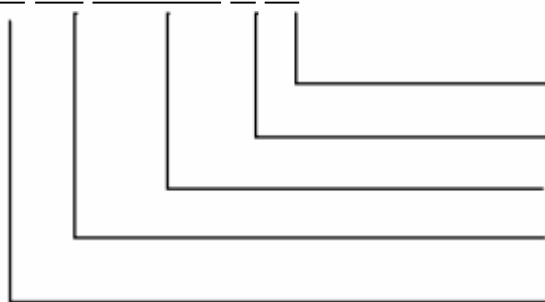
- Computers and servers and their peripherals
- Smartphone, tablet multimedia
- High-end network equipment
- Optical communication module

Configuration Available:

- Standard size 470×470 mm, sheet form and die-cut parts could be required.
- Standard thickness: 0.25mm (0.010") to 10.0 mm (0.40") in 0.5mm (0.02") increments. Can be customized according to customer needs
- Natural tack on one or both side option

Ordering Guide:

Flextein® S35-020 47004700 IR D1



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

R: Rectangular; **IR:** Irregular

Size: 470mm*470mm

Thickness: 2.0mm

Series: S35

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

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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