

NYSTEIN GAP PAD **Flextein® S40F**

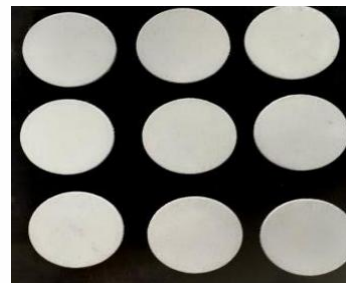
Technical Data Sheet

Product Description:

Flextein S40F is a non-volatile and ultra-soft gap filler with high thermal conductivity. It is designed without volatile condensation mist under 150°C for 24 hours, and especially suitable for application scenarios with high requirements on volatiles, such as security, optical modules, UAV and related industries. The ultra-low hardness enables it to maintain good compression performance and surface bonding under low pressure, and makes it suitable for applications like electronic communication, consumer electronics, advanced industrial & medical electronics, mobile & network equipment, and LED lighting. It is a cost-effective thermal interface material and composed of silicone elastomers filled with insulating ceramic powders.

Features & Benefits:

- Thermal conductivity 4.0 W/m·K
- Non-volatile condensation mist
- Ultra soft, high compressive and high resilience
- High reliability and reloadable
- Available thicknesses from 0.012" (0.3mm) to 0.40" (10.0mm)



Typical Property Data:

Typical Property	S40F	Unit	Test Method
Color	White	-	Visual
Thickness	0.3 to 10.0	mm	ASTM D374
Thermal Conductivity	4.0	W/m · K	ISO 22007-2
Hardness	40	Shore OO	ASTM D2240
Density	3.1	g/cm ³	ASTM D792
Dielectric Strength	≥6.0	KV/mm	ASTM D149
Volume Resistivity	≥ 1.0 × 10 ¹²	Ω ·cm	ASTM D257
Dielectric Constant	6.5	@1MHz	ASTM D150
D3-D20	0	ppm	Nystein
Service Temp	-40 to 150	°C	Nystein
Flame Rating	V-0	-	94UL
RoHS Compliance	Yes	-	Nystein

Typical Application:

- Security Cameras
- Drone Camera
- Advanced Industrial & Medical Electronics, Mobile & Networking Devices
- Optical Modules
- LED lighting equipment

Configuration Available:

- Standard size: 470×470 mm, sheet form and die-cut parts could be required
- Standard thickness: 0.3mm (0.012") to 10.0 mm (0.40") in 0.5mm (0.02") increments, available for customization
- Optional for natural tack on one or both sides

Storage conditions:

- Sealed and stored in dry place, away from light.
- Shelf life is 12 months at recommended storage temperature: 25°C (±5) and humidity: 50% (±10)
- The materials may be contaminated when unsealed, please do not mix the used material with the sealed products. Nystein does not assume any 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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