

NYSTEIN GAP PAD Flextein® S60F

Technical Data Sheet

Product Description:

Flextein S60F is a no volatile condensation, super soft and highly thermally conductive gap filler. It is produced without volatile condensation mist under 150 °C & 24h test conditions, which is especially suitable for application scenarios with high requirements on volatiles, such as security, optical modules, drones and other industries. Its ultra-soft hardness enables it to obtain good compression characteristics and surface lamination effect under low pressure, and it is also suitable for applications in the markets of electronic communication equipment, consumer electronics, advanced industrial control and medical electronics, mobile and network equipment, and LED lighting. The main component of the material is insulating ceramic powder filled with silicone rubber, which is a cost-effective thermal conductive interface filler material.

Features & Benefits:

- Thermal conductivity 6.0 W/m·K
- No volatile condensation
- Super soft, high compression, high resilience
- Highly Reliable, Repeatable
- Available in thicknesses from 0.02" (0.5mm) to 0.40 (10.0mm)



Typical Property Data:

Property	Unit	Parameter	Test Method
Appearance	- -	light grey	Visual
Thickness	mm	0.5 to 10.0	ASTM D374
Thermal Conductivity	W/m · K	6.0	ISO 22007-2
Hardness	Shore OO	35	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
Oil penetration rate	%	< 1.0	125°C&48h
Dielectric Constant	1MHz	6.5	ASTM D150
D3-D20	ppm	0	Nystein
Service Temp	°C	-40 to 150	Nystein
Flame Rating	- -	V-0	94 UL
RoHS	- -	Yes	Nystein

Typical Application:

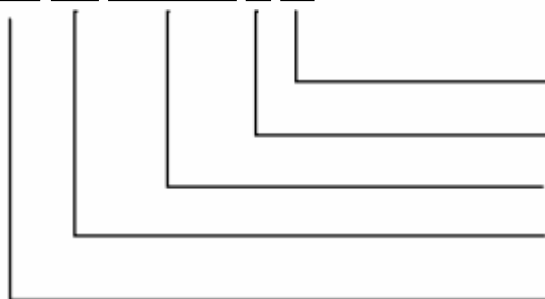
- Security Cameras
- Drone Camera
- Advanced Industrial & Medical Electronics, Mobile & Networking Devices
- Optical Modules
- LED Lighting

Configuration Available:

- Standard size 470×470 mm, sheet form and die-cut parts could be required.
- 0.5 through 10.0 mm thick material available in 0.5mm increments
- Optional double-sided adhesive, can be backed according to demand

Ordering Guide:

Flextein® S60F-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: S60F

Storage conditions:

- Sealed at room temperature away from light, and stored in a dry place.
- Best Storage conditions: Temperature: 25°C (±5), 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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