

Ultra-Soft Non-Silicone Thermal Pad for Low-Stress Applications

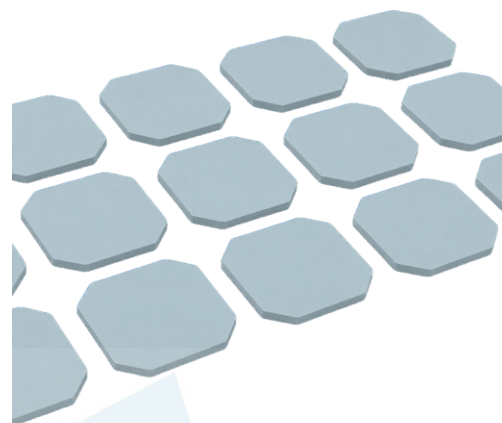
Product Description

SF-76 is an ultra-soft non-silicone thermal interface pad engineered for applications requiring low assembly stress, excellent compressibility, and reliable thermal performance.

Featuring 6 W/m-K thermal conductivity and a soft Shore OO 35 hardness, SF-76 provides exceptional surface conformability and gap-filling capability for delicate electronic assemblies and uneven component interfaces.

Unlike conventional non-silicone thermal pads that are typically rigid and difficult to compress, SF-76 maintains excellent flexibility and cushioning characteristics while delivering stable thermal performance.

The SF series eliminates the risk of siloxane migration and outgassing associated with silicone-based thermal materials, making SF-76 an ideal thermal solution for sensitive electronic, optical, networking, and industrial applications requiring clean and low-stress thermal interfaces.



FEATURES & BENEFITS

● Ultra-Soft Non-Silicone Design:

Combines siloxane-free reliability with exceptional softness and flexibility.

● Low-Stress Thermal Interface:

Shore OO 35 hardness minimizes mechanical stress on delicate components.

● Excellent Compressibility:

Highly conformable structure improves contact across uneven surfaces.

● Reliable Thermal Performance:

6 W/m-K conductivity enables efficient heat dissipation for electronic devices.

● Enhanced Gap-Filling Capability:

Provides effective interface contact in low-pressure assembly environments.

● Clean & Stable Operation:

Ideal for contamination-sensitive optical and electronic systems.

PROPERTY	SF-76	TEST METHOD
Construction	Ceramic Filled polyolefin elastomer	N/A
Color	Blue	Visual
Density	3.2 g/cc	ASTM D792
Thickness Range	0.3mm~10.0mm	N/A
Thermal Conductivity	6.0 W/m-K	Hot Disk
Rth at 1mm,10psi	0.2 °C-in ² /W	ASTM D5470
Hardness Shore OO	35	ASTM D2240
Dielectric Constant@1MHz	7 @1MHz	ASTM D150
Dielectric Strength	>8 KVac/mm	
Volume Resistivity	10 ¹⁴ Ω-cm	ASTM D257
Temperature Range	-40°C to 150°C	VOT Test Method
Flammability Rating	V-0	UL 94

Typical Applications

- AI & High-Performance Computing
- Optical Modules & Transceivers
- Networking Equipment
- SSD & Memory Modules
- Industrial Electronics
- Low-Pressure Electronic Assemblies
- GPU / CPU Thermal Interfaces
- Sensitive Electronic Components

Storage Conditions

- Storage Temperature: 15°C to 35°C, RH <50%
- Shelf Life: 12 months under above conditions

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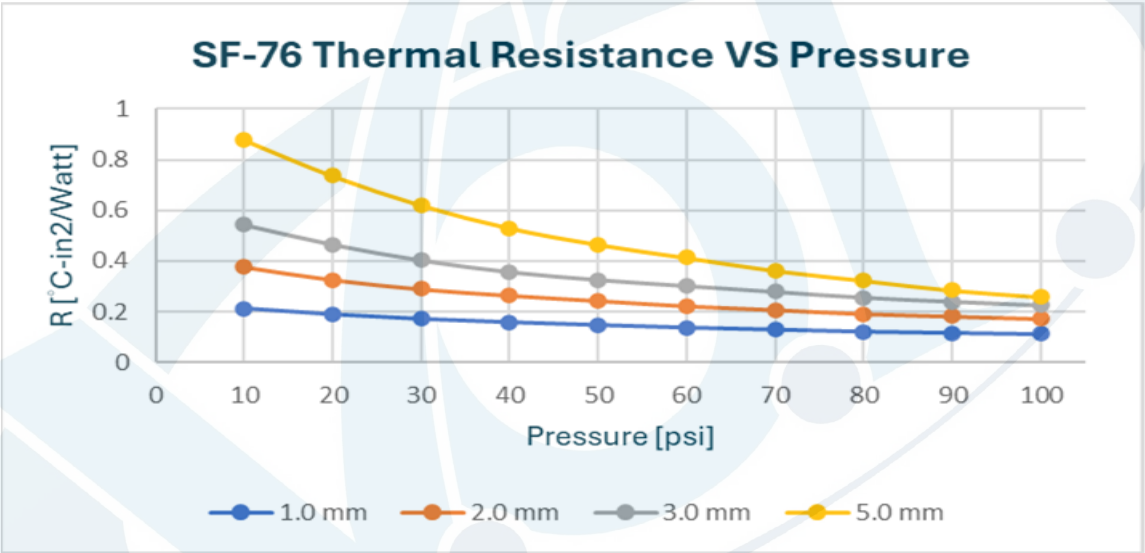
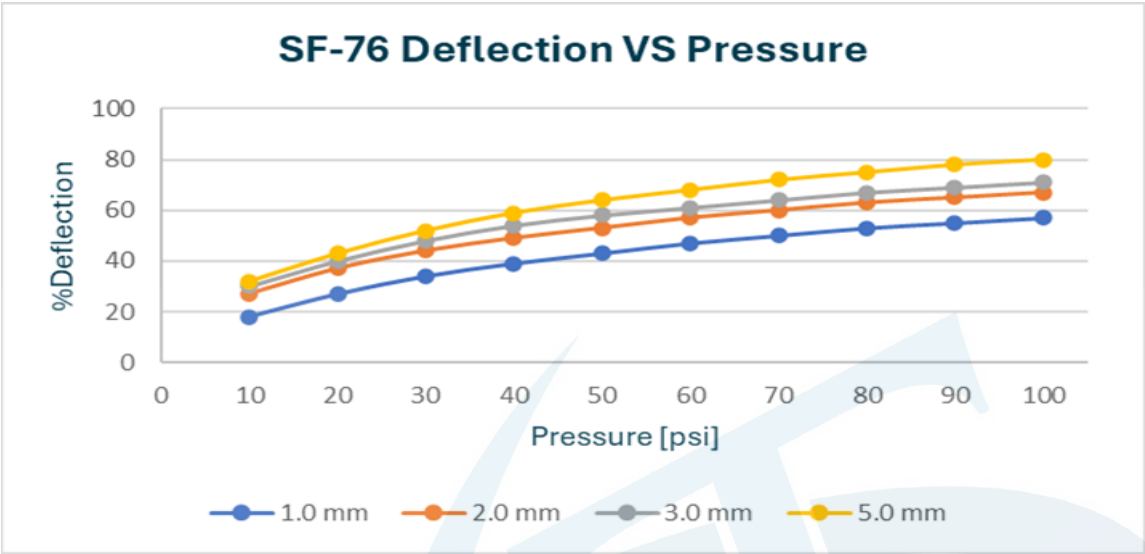
<https://vot-thermal.com/>

Limited Warranty: For a period of 12 months from the date of first sale, VOT warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s).

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SF-76

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SF-	76	-	XXXXXX	-	XXX
non-silicone	6W/m.K		size		Thickness
			200200=20*20		005=0.5mm
			254254=25.4*25.4		010=1.0mm

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