

Soft Non-Silicone Thermal Pad for Reliable Thermal Interfaces

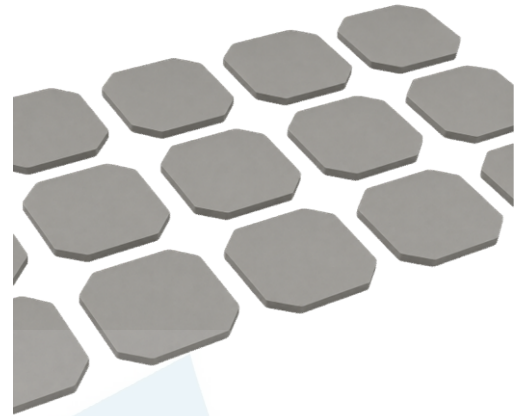
Product Description

VOT SF-73 is a soft non-silicone thermal interface pad designed for electronic applications requiring reliable thermal performance, excellent compressibility, and siloxane-free operation.

Featuring 3 W/m-K thermal conductivity and a soft Shore OO 30 hardness, SF-73 provides effective gap-filling capability and stable interface contact for a wide range of electronic assemblies.

Unlike conventional non-silicone thermal pads that are often rigid and difficult to compress, SF-73 maintains excellent softness and flexibility while delivering dependable thermal transfer performance.

The SF series eliminates the risk of siloxane migration and outgassing associated with silicone-based thermal materials, making SF-73 suitable for sensitive electronic, networking, industrial, and portable device applications requiring clean and reliable thermal interfaces.



FEATURES & BENEFITS

● Soft Non-Silicone Formulation:

Provides siloxane-free reliability with excellent flexibility and compressibility.

● Low-Stress Interface Performance:

Soft Shore OO 30 hardness helps reduce mechanical stress on components.

● Reliable Gap-Filling Capability:

Improves interface contact across uneven or complex surfaces.

● Stable Thermal Conductivity:

3 W/m-K thermal performance supports efficient heat transfer.

● Clean Thermal Interface Solution:

Eliminates contamination risks associated with silicone-based materials.

● Designed for General Electronics:

Suitable for a wide range of commercial and industrial applications.

PROPERTY	SF-73	TEST METHOD
Construction	Ceramic Filled polyolefin elastomer	N/A
Color	Grey	Visual
Density	3.0 g/cc	ASTM D792
Thickness Range	0.5mm~10.0mm	N/A
Thermal Conductivity	3.0 W/m-K	Hot Disk
Rth at 1mm,10psi	0.37 °C-in ² /W	ASTM D5470
Hardness Shore OO	30	ASTM D2240
Dielectric Constant@1MHz	7 @1MHz	ASTM D150
Dielectric Strength	>8 KVac/mm	
Volume Resistivity	10 ¹⁴ Ω-cm	ASTM D257
Temperature Range	-30°C to 125°C	Long-term use
	-30°C to 150°C	Within 20 minutes
	-30°C to 180°C	Within 5 minutes
Flammability Rating	V-0	UL 94

Typical Applications

- Networking Equipment
- Industrial Electronics
- Notebook Computers
- SSD & Memory Modules
- Consumer Electronics
- Power Management Devices
- Portable Electronic Systems
- General Thermal Interface Applications

Storage Conditions

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

TW: +886-2-24511685

KS: +86-512-57456656

CZ: +86-519-82208589

service@VOT-thermal.com.tw

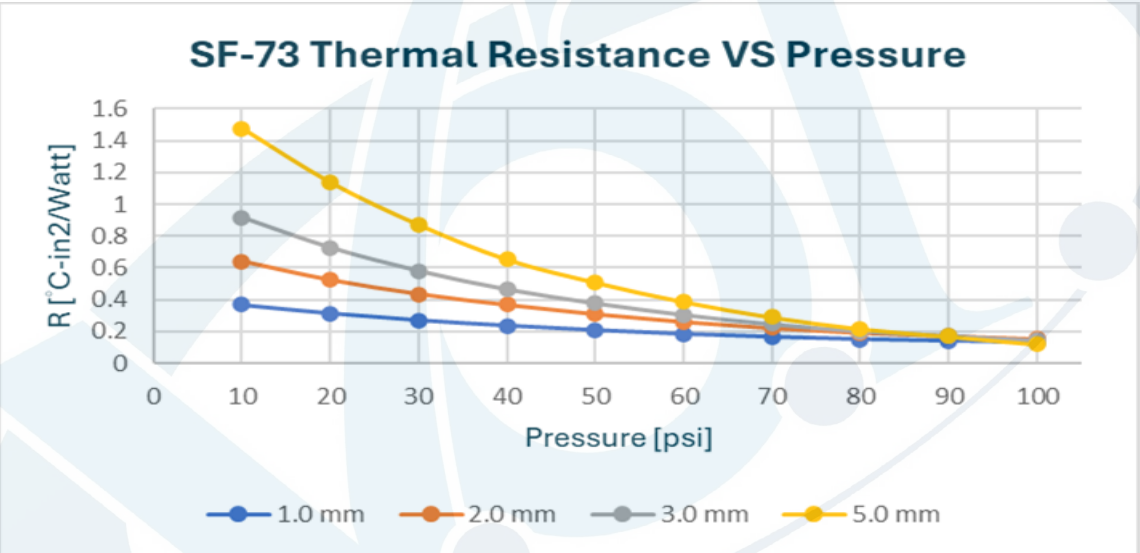
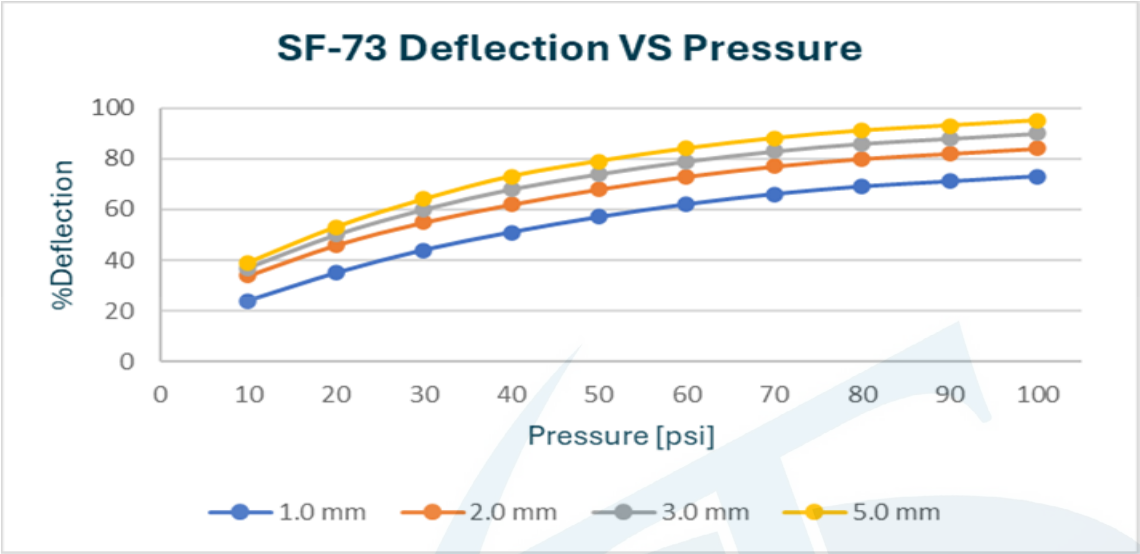
sales@VOT-thermal.com

<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).

NOTE: VOT does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

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SF-	73	-	XXXXXX	-	XXX
non-silicone	3W/m.K		size		Thickness
			200200=20*20		005=0.5mm
			254254=25.4*25.4		010=1.0mm

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