

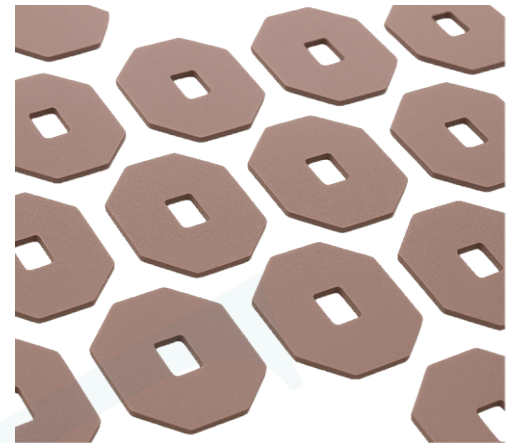
Product Description

VK-X6 is a high-performance thermal interface pad engineered to deliver 6 W/m-K thermal conductivity with an exceptional balance of softness and mechanical strength. With a Shore OO hardness of 40, it provides excellent surface compliance and rebound elasticity, allowing for reworkability and reuse during assembly or maintenance. Despite its soft and compressible texture, VK-X6 maintains structural integrity under mechanical stress, ensuring consistent thermal contact between components. The material is designed under VOT's Siloxane-Free Clean Material Platform, achieving non-detectable levels of cyclic siloxanes (D3 ~ D20) to guarantee purity and long-term reliability in sensitive electronic systems. This combination of mechanical resilience, high heat dissipation, and environmental cleanliness makes VK-X6 an economically competitive solution for a wide range of applications.

FEATURES & BENEFITS

- Thermal Conductivity: 6.0 W/m-K measured by Hot Disk method
- Hardness: Shore OO 40 — soft yet mechanically robust
- Elastic Recovery: Excellent rebound for rework/reuse capability
- Clean Material: D3–D20 siloxane non-detectable (GC-MS verified)
- Compliance: RoHS / REACH / UL 94 V-0 certified
- Available Thickness: 0.5 mm ~ 6.0 mm

PROPERTY	VK-X6	TEST METHOD
Construction	Ceramic Filled Silicone sheet	N/A
Color	Light Red	Visual
Density	3.2 g/cc	ASTM D792
Thickness Range	0.5mm~6.0mm	N/A
Thermal Conductivity	6.0 W/m-K 7.0 W/m-K	HOT DISK ASTM D5470
Rth at 1mm,10psi	0.21 °C-in ² /W	ASTM D5470
Hardness Shore OO	40	ASTM D2240
Siloxane Volatile Content (D3–D20)	Not Detected	GC-MS
Dielectric Constant@1MHz	8 @1MHz	ASTM D150
Dielectric Strength	>8 KVac/mm	
Volume Resistivity	10 ¹³ Ω-cm	ASTM D257
Temperature Range	-40°C to 150°C	VOT Test Method
Flammability Rating	V-0	UL 94



Typical Applications

- Notebook PCs and ultrabooks
- Network communication equipment
- Power modules and LED controllers
- Automotive electronics and ADAS control units
- Consumer and industrial power modules
- Memory and IC heat-spreading interfaces

Storage Conditions

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

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KS: +86-512-57456656

CZ: +86-519-82208589

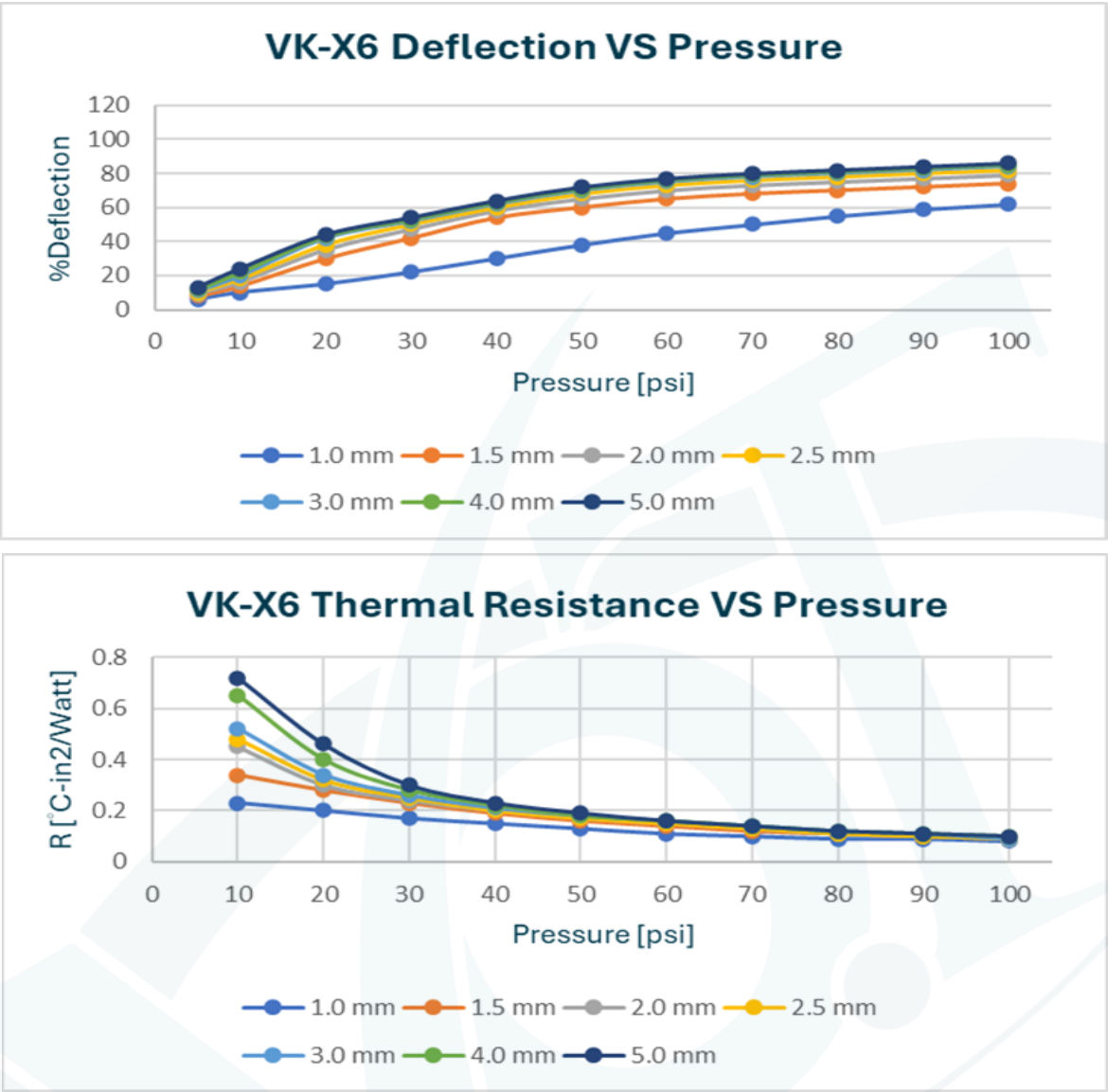
service@VOT-thermal.com.tw

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.

VK-X6

High-Performance Thermal Interface Pad



VK-	X6	-	xxxxxxx	-	xxx
Gap filler	1: one side tack free 3: VK-6100 on one side 4: fiberglass reinforcement		size 200200=20*20 254254=25.4*25.4		Thickness 008=0.8mm 010=1.0mm

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