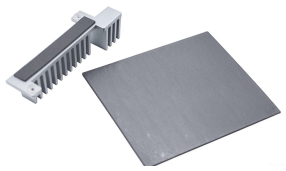
TIF®700UU Series
Thermally Conductive Gap Filler Pads



TIF®700UU Series is an ultra-soft thermal interface material designed specifically to protect precision components that are extremely sensitive to mechanical stress. This product combines high thermal conductivity with an exceptionally gel-like softness, achieving a low-stress perfect fit. It is suitable for addressing issues in high-precision assemblies, such as large tolerances, uneven surfaces, and the susceptibility of delicate components to mechanical damage.

Features

- Excellent thermal conductivity
- Super soft and highly compliant
- Self-adhesive without the need for additional surface adhesive
- Good insulation performance

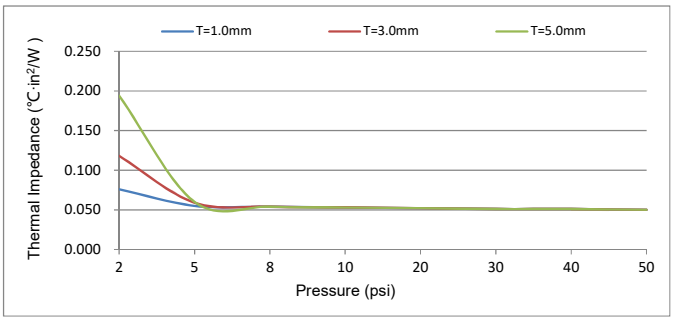
Applications

- AI Servers
- Semiconductor Packaging
- Low-Altitude Aircraft
- Optical Communication Products
- 5G Base Stations

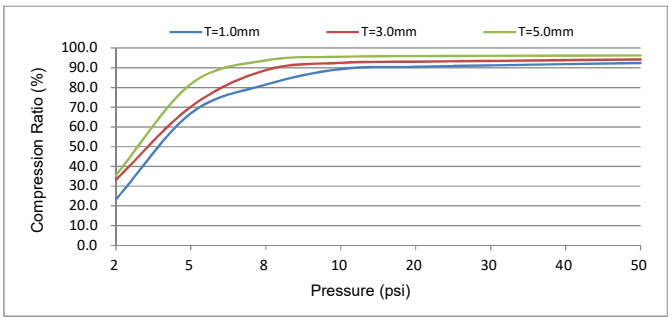
Typical Properties of TIF®700UU Series

Property	Value	Test Method
Color	Gray	Visual
Composition	Ceramic filled silicone elastomer	ZKTM J024
Thickness Range (inch/mm)	0.012~0.200 0.30~5.00	ASTM D374
Hardness (Shore OO)	20	ASTM D2240
Density (g/cm^3)	3.4	ASTM D792
Recommended Operating Temperature (°C)	-40 ~ 200	ZKTM J025
Breakdown Strength (Vac/mm)	≥4000	ASTM D149
Dielectric Constant @1MHz	7.0	ASTM D150
Volume Resistivity (Ohm·cm)	> 1.0×10^{12}	ASTM D257
Thermal Conductivity (W/m·K)	10.0	ASTM D5470
	10.0	ISO22007
Flame Rating	V-0	UL94 (E331100)

Thermal Impedance



Compression Ratio



Product Specifications

Standard Thickness: 0.012" (0.30 mm)~0.200" (5.00 mm)
Standard Size: 16"×16" (406 mm×406 mm)

The TIF® series is available in custom shapes and various forms.
For other thicknesses or more information, please contact us.

Product Identifier

TIF7 00 UU

- UU — Thermal Conductivity: 10.0 W/m·K & Hardness: 20
- 00 — Thickness: 12mils ~ 200mils
- TIF7 — Product Series

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