



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

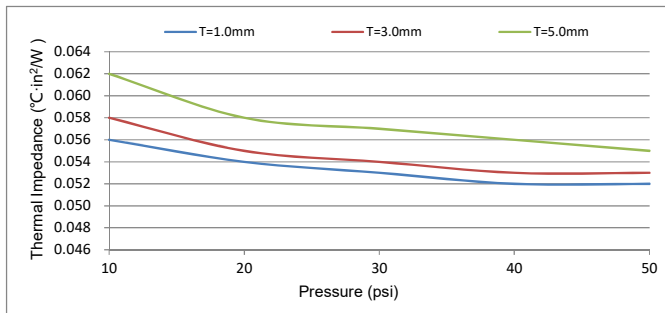
- » Excellent thermal conductivity
- » Super soft and highly compliant
- » Self-adhesive without the need for additional surface adhesive
- » Good insulation performance

Application

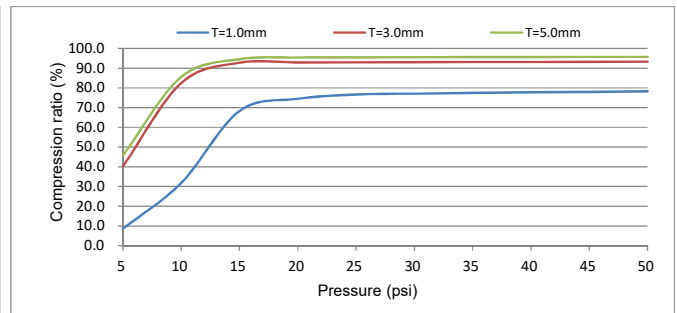
- » AI Servers
- » Semiconductor Packaging
- » Low-Altitude Aircraft
- » Optical Communication Products
- » 5G Base Stations

Typical Properties of TIF [®] 700UU Series			
Property	Value		Test Method
Color	Gray		Visual
Construction	Ceramic filled silicone elastomer		-
Thickness Range (inch/mm)	0.030 0.75	0.040~0.200 1.00~5.00	ASTM D374
Hardness (Shore OO) 3 second/30 second	30/10	30/10	ASTM D2240
Density (g/cm ³)	3.3		ASTM D792
Recommended Operating Temperature (°C)	-40 ~ 200		-
Breakdown Voltage (V/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

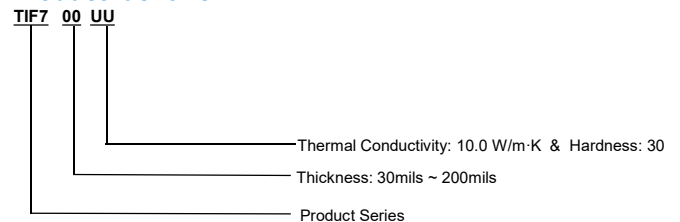


Product Specifications

Standard Thickness: 0.030" (0.75 mm)~0.200" (5.00 mm)
with increments of 0.010" (0.25 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



Global solutions: Local support

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TIF700UU-1225