



**TIF®800TU Series** is an ultra-soft thermal interface material, specially designed to protect precision components extremely sensitive to mechanical stress. This product combines ultra-high thermal conductivity with extreme gel-like softness, adapting to various uneven heat dissipation interfaces, compensating for assembly tolerances, minimizing air thermal resistance, and efficiently dissipating heat while providing comprehensive protection for chips, sensors and optoelectronic devices. It is the preferred solution for heat dissipation and protection in precision electronics.

### Features

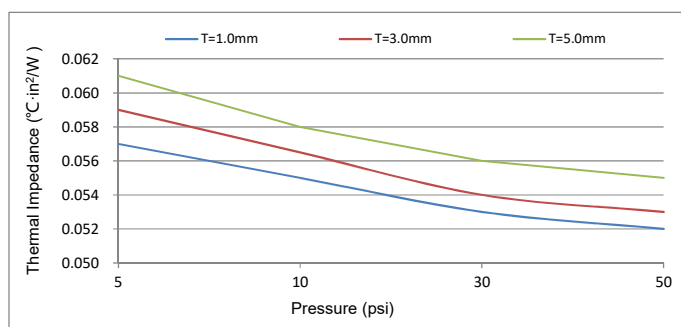
- » Excellent thermal conductivity
- » Super soft and highly compliant
- » Good insulation performance
- » Self adhesive without the need for additional surface adhesive

### Applications

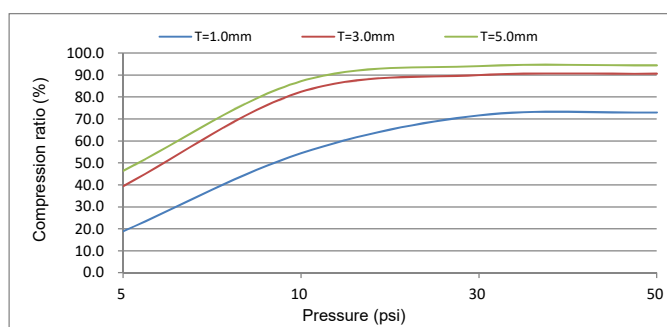
- » AI Servers
- » Semiconductor Packaging
- » Low-Altitude Aircraft
- » Optical Communication Products
- » 5G Base Stations

Typical Properties of TIF® 800TU 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)	25/10	25/10	ASTM D2240
Density (g/cm <sup>3</sup> )	3.3		ASTM D792
Recommended Operating Temperature (°C)	-40 ~ 200		-
Breakdown Voltage (V/mm)	≥5500		ASTM D149
Dielectric Constant @1MHz	7.5		ASTM D150
Volume Resistivity (Ohm·cm)	> 1.0×10 <sup>12</sup>		ASTM D257
Thermal Conductivity (W/m·K)	16.0		ISO22007
Flame Rating	V-0		UL94 (E331100)

**Thermal Impedance**



**Compression Ratio**

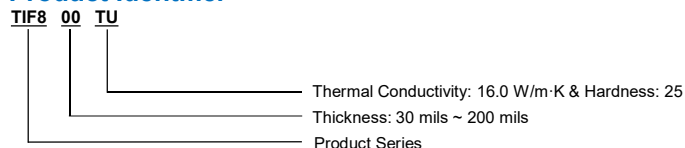


### Product Specifications

**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

China: +86-769-38801208  
Taiwan: +886-2-2277-1007  
Canada: +001-604-2998559  
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TIF800TU-0326