



**TIF™ 800Z Series** thermally conductive interface materials are applied to fill the air gaps between the heating elements and the heat dissipation fins or the metal base. Their flexibility and elasticity make them suited to coat very uneven surfaces. Heat can transmit to the metal housing or dissipation plate from the heating elements or even the entire PCB, which effectively enhances the efficiency and lifetime of the heat-generating electronic components.

**Features**

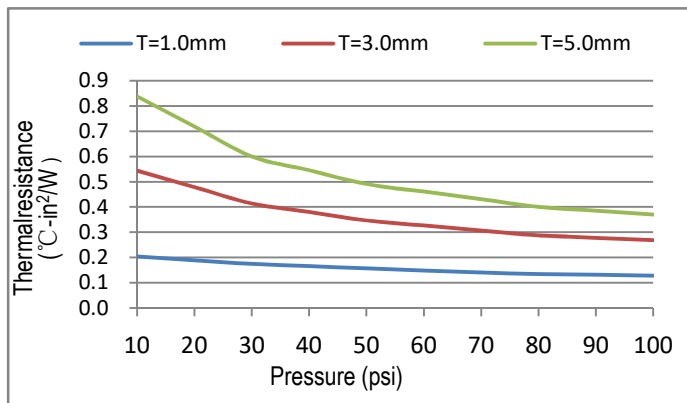
- » Good thermal conductivity: **11.0 W/mK**
- » Naturally tacky needing no further adhesive coating
- » Soft and Compressible for low stress applications
- » Available in various thickness

**Application**

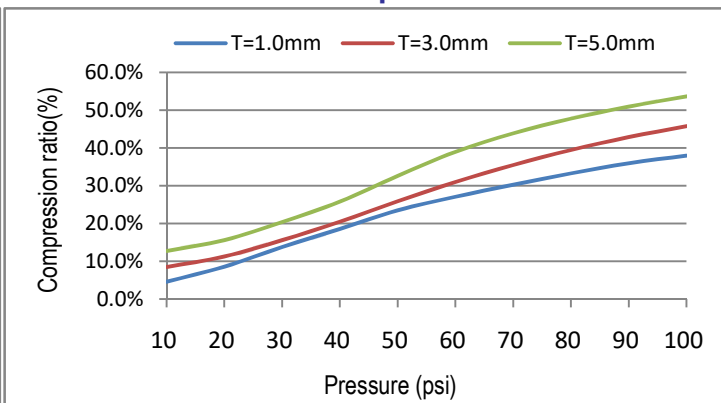
- » Cooling components to the chassis of frame
- » Set Top Box
- » Car Battery & Power Supply
- » Charging Pile
- » LED TV/ Lighting
- » Graphics Card Thermal Module

Typical Properties of TIF™800Z Series		
Color	Gray	Visual
Construction	Ceramic filled silicone elastomer	*****
Thickness range	0.012"(0.3mm)~0.20" (5.0mm)	ASTM D374
Hardness (thickness>0.75mm)	55 Shore00	ASTM 2240
Hardness (thickness≤0.75mm)	75 Shore00	ASTM 2240
Specific Gravity(g/cc)	3.5 g/cc	ASTM D297
Operating Temp	-40 ~160 °C	*****
Dielectric Breakdown Voltage	>4000 VAC	ASTM D149
Dielectric Constant@1MHz	5.5 MHz	ASTM D150
Volume Resistivity	>2.0X10 <sup>12</sup> Ohm-cm	ASTM D257
Thermal Conductivity	11.0 W/mK	ASTM D5470
Thermal impedance(0.3mmT@10psi)	0.090° C*in <sup>2</sup> /W	ASTM D5470
Flame Rating	94 -V0	UL E331100

**Pressure. vs. Thermal Impedance**



**Pressure. vs. Compression Ratio**



**Product Specification**

**Product Thicknesses:** 0.012-inch to 0.200-inch (0.3mm to 5.0mm)

**Product Sizes:** 8" x 16"(203mm x406mm)

Individual die cut shapes and custom thickness can be supplied. Please contact us for confirming

Application Technology Download  
Thermal Conductive Interface Materials



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