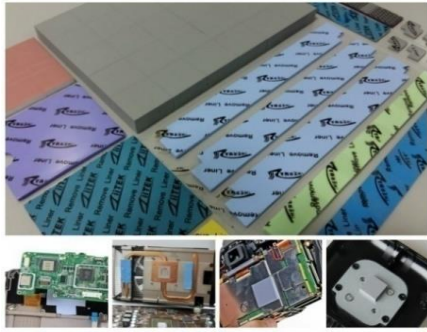




TIF™ 700U Series thermally conductive interface materials are applied to fill the air gaps between the heating elements and the heat dissipation fins or the metal base. Their flexibility and elasticity make them suited to coat very uneven surfaces. Heat can transmit to the metal housing or dissipation plate from the heating elements or even the entire PCB, which effectively enhances the efficiency and life-time of the heat-generating electronic components.

Typical Properties of TIF™700U Series

Color	Gray	Visual
Construction	Ceramic filled silicone elastomer	*****
Thickness range	0.02"(0.5mm)~0.20" (5.0mm)	ASTM D374
Hardness(Shore 00) Thickness > 0.75mmT	60±5	ASTM 2240
Hardness(Shore 00) Thickness ≤ 0.75mmT	75±5	ASTM 2240
Specific Gravity(g/cc)	3.5	ASTM D297
Operating Temp	-40 ~ 160 °C	*****
Dielectric Breakdown Voltage(T=1.0mmT)	>4500 VAC	ASTM D149
Dielectric Constant@1MHz	≥5.5	ASTM D150
Volume Resistivity	> 2.0X10 ¹² Ohm-cm	ASTM D257
Thermal Conductivity	10.0 W/mK	ASTM D5470
	10.0 W/mK	ISO22007-2.2
Flame Rating	V-0	UL 94

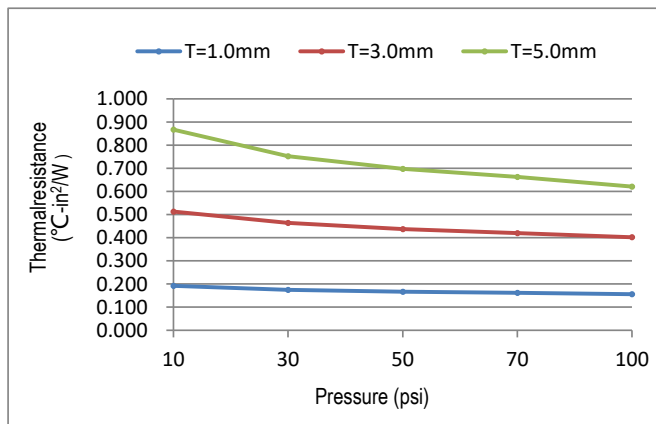
Features

- » Good thermal conductivity:10.0W/mK
- » Good insulation performance
- » Soft and Compressible for low stress applications
- » Available in varies thickness

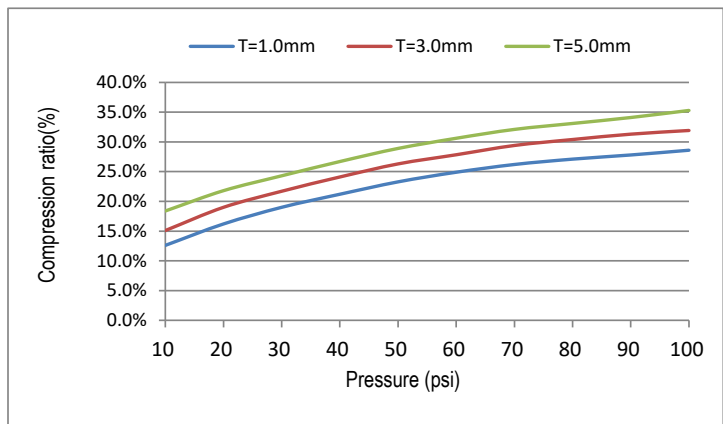
Application

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

Pressure. vs. Thermal Impedance



Pressure. vs. Compression Ratio



Product Specification

Product Thicknesses: 0.020-inch to 0.200-inch (0.5mm 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



<http://www.ziitek.com>

Thermally Conductive Materials

Heat Generating Materials

Thermally Conductive Plastics

Foaming Silica Gel

Die-Cutting Products

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