ZIITEK ELECTRONIC MATERIAL &TECHNOLOGY CO.,LTD

TIF™700PUS Thermally Conductive Gap Filler Pads Series

REV03

TIF™700PUS 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 effecitly enhances the efficiency and life-time of the heat-generating electronic components.

Features

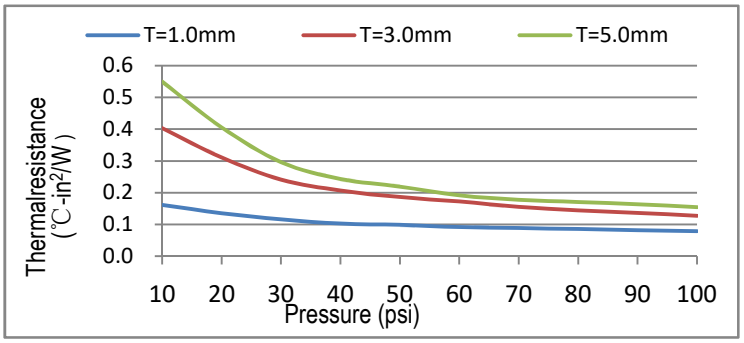
- Good thermal conductivity: **7.5 W/mK**
- Naturally tacky needing no further adhesive coating
- Soft and Compressible for low stress applications
- Available in varies thickness

Application

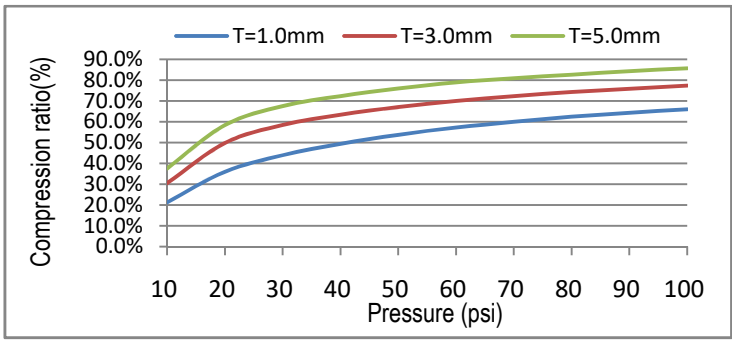
- Cooling components to the chassis of frame
- Set Top Box
- Car Battery & Power Supply
- Charging Pile
- LED TV/ Lighting
- Graphics Card Thermal Module

Typical Properties of TIF™700PUS Series		
Property	**Value**	**Test method**
Color	Gray	Visual
Construction	Ceramic filled silicone elastomer	******
Thickness range	0.030"(0.75mm)~0.200" (5.0mm)	ASTM D374
Hardness (Shore 00)	20	ASTM 2240
Specific Gravity (g/cm^3)	3.2	ASTM D792
Operating Temp	-40~160℃	******
Dielectric Breakdown Voltage (T=1.0mm, Vac)	≥6000	ASTM D149
Dielectric Constant@1MHz	4.5	ASTM D150
Volume Resistivity	> $3.5X10^{12}$Ohm-cm	ASTM D257
Thermal Conductivity (W/mK)	7.5	ASTM D5470
	7.5	ISO22007-2.2
Flame Rating	94 -V0	UL E331100

Pressure. vs.Thermal Resistance



Pressure. vs. Compression Ratio



Product Specification

Product Thicknesses: 0.030-inch to 0.200-inch (0.75mm to 5.0mm)
Product Sizes: 8" x 16''(203mm x406mm)
Individual die cut shapesand and custom thickness can be supplied.
Please contact us for confirming

Application Technology Download
Thermal Conductive Interface Materials

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