

Features

» Naturally tacky needing no further

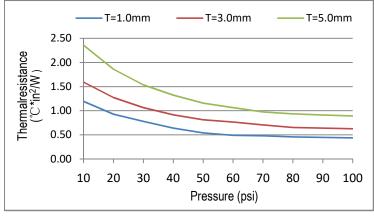
adhesive coating

- 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

Pressure vs.Thermal Impedance



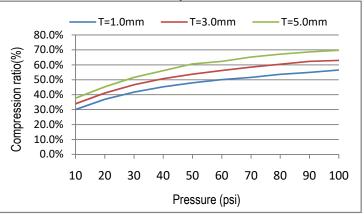
ZIITEK ELECTRONIC MATERIAL & TECHNOLOGY CO., LTD

TIF[™]100-12-05US Thermally Conductive Gap Filler Pads Series

TIF[™]100-12-05US Series thermally conductive interface materials are gap fillers reinforced one side with kepton; the other side with adhesive. They are applied to fill the air gaps between the heating elements and the heat dissipation fins or the metal base. Their flexibility and viscoelastic feature make them ideal to coat very uneven surfaces. Its smooth, puncture-, tear-, wear-resistant reinforcement surface is perfect for reworking and plug-in devices.

Typical Properties of TIF [™] 100-12-05US Series						
Property	Value	Test method				
Color	Blue	Visual				
Construction	Ceramic filled silicone elastomer	*****				
Thickness	0.020"(0.5mm)~0.200"(5.0mm)	ASTM D374				
Hardness (Shore 00)	20±5	ASTM 2240				
Density (g/cm ³)	2.0	ASTM D792				
Operating Temp	-40~160℃	*****				
Dielectric Breakdown Voltage(T=1.0mm,Vac)	≥5500	ASTM D149				
Dielectric Constant@1MHz	4.5	ASTM D150				
Volume Resistivity	≥1.0X10 ¹² Ohm-cm	ASTM D257				
Thermal Conductivity(W/mK)	1.2	ASTM D5470				
	1.2	ISO22007-2.2				
Flame Rating	94 -V0	UL E331100				

Pressure vs. Compression Ratio



Product Thicknesses: 0.020-inch(0.5mm)to 0.200" (5.0mm) **Product Sizes:** 8" x 16"(203mm x406mm) Individual die cut shapesand and custom thickness can be supplied. Please contact us for confirming Safe disposal method does not require special protection. The storage condition is low temperature and dry, away from open fire and away from direct sunlight. For detailed method, please refer to the product material safety data sheet.

Thermally Conductive Materials	Thermally Conductive Plastics	Heat Generating Materials	Shielding Materials	Foaming Silica Gel	Die-Cutting Products
					123 Y

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