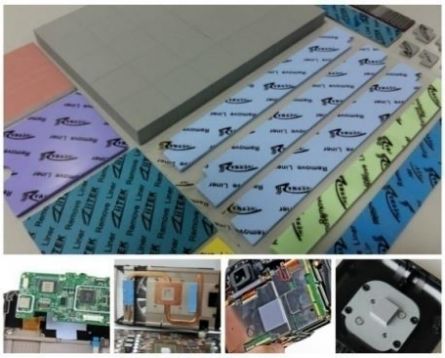


TIF™100-12-05ES Series thermally conductive interface materials are gap fillers reinforced one side with kepton; the other side with adhesive. They are applied to fill the air gaps between the heating elements and the heat dissipation fins or the metal base. Their flexibility and viscoelastic feature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

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

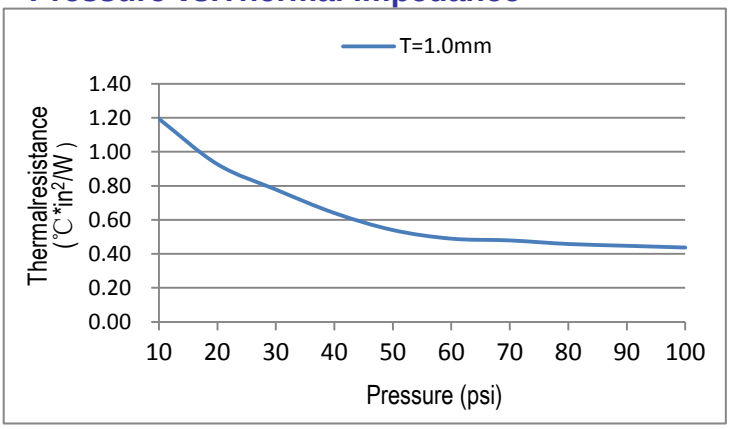
》Charging Pile

》LED TV/ Lighting

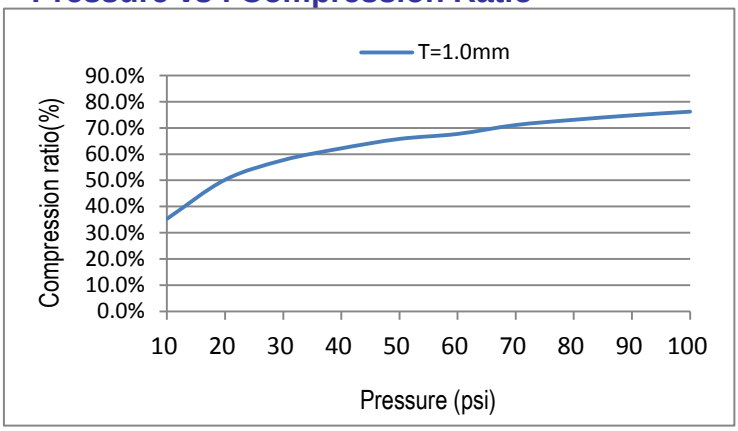
》Graphics Card Thermal Module

Typical Properties of TIF™100-12-05ES 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）	12±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.Thermal Impedance



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.

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