

TIF™700HP Series is a ceramic powder filled silicone rubber thermal conductive material that can fill the gap between the heating device and the heat sink or the metal base. Its flexible, high-pressure shrinkage features allow it to be used to cover very uneven surfaces. Its excellent efficiency enables heat conduction from the heating device or the entire PCB to the metal casing or diffusion plate, thus improving the efficiency and service life of the heating electronic components.

Features

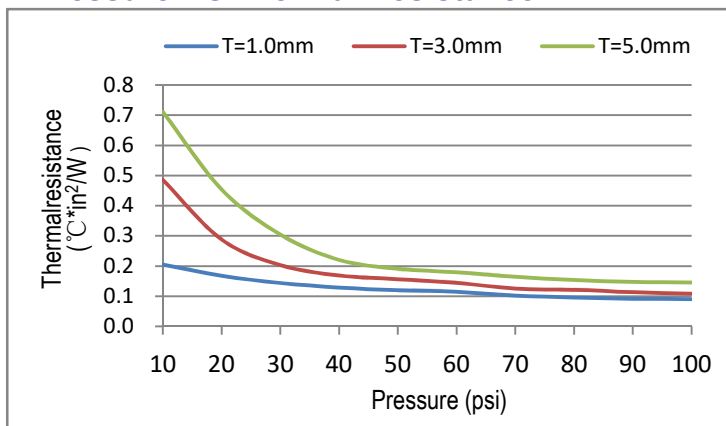
- » Good thermal conductivity:7.5W/mk
- » Naturally tacky needing no further adhesive coating
- » Soft and Compressible for low stress applications
- » Available in varies thickness

Application

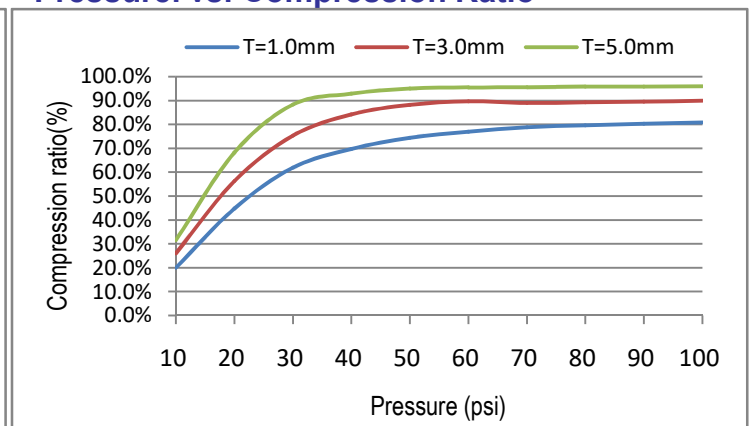
- » Cooling components to the chassis of frame
- » Set Top Box
- » Car Battery & Power Supply
- » Charging Pile
- » LED TV/ Lighting
- » Graphics Card Thermal Module

Typical Properties of TIF™700HP Series		
Property	Value	Test method
Color	Gray	Visual
Construction	Ceramic filled silicone elastomer	*****
Thickness range	0.020"(0.5mm)~0.200" (5.0mm)	ASTM D374
Hardness (Shore 00 Thickness ≥1.0mm)	45±5	ASTM 2240
Hardnes (Shore00 Thickness <1.0mm)	55±5	ASTM 2240
Specific Gravity (g/cm ³)	3.3	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)	7.5	ASTM D5470
	7.5	ISO22007-2.2
Flame Rating	94 -V0	UL E331100

Pressure. vs. Thermal Resistance



Pressure. vs. Compression Ratio



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
 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

加拿大 Canada

TEL: +001-604-2998559
 E-mail: frances@ziitek.com.tw
[Http://www.thermazig.com](http://www.thermazig.com)

台湾 Taiwan

TEL: +886-2-22771007
 E-mail: frances@ziitek.com.tw
[Http://www.ziitek.com.tw](http://www.ziitek.com.tw)

东莞 Dongguan

TEL: +86-769-38801208
 E-mail: frances@ziitek.com.tw
[Http://www.ziitek.com.cn](http://www.ziitek.com.cn)

昆山 Kunshan

TEL: +86-512-57816297
 E-mail: kelvin@ziitek.com
[Http://www.ziitek.com.cn](http://www.ziitek.com.cn)

杭州 Hangzhou

TEL: +86-571-63850366
 E-mail: alex@ziitek.com
[Http://www.ziitek.com.cn](http://www.ziitek.com.cn)

长沙 Changsha

TEL: +86-731-86949836
 E-mail: jor@ziitek.com
[Http://www.ziitek.com.cn](http://www.ziitek.com.cn)

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