

### Features

- › Good thermal conductivity: 6.0 W/mK
- › Naturally tacky needing no further adhesive coating
- › Soft and Compressible for low stress applications
- › Available in varies thickness

### Application

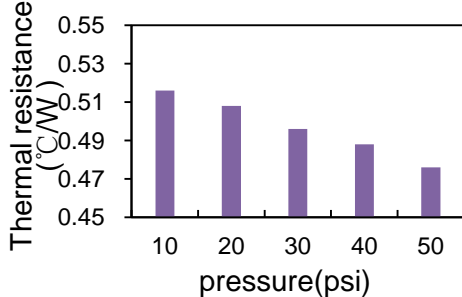
- › Cooling components to the chassis of frame
- › Set Top Box
- › Car Battery & Power Supply
- › Charging Pile
- › LED TV/ Lighting
- › Graphics Card Thermal Module

TIF700HM 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 effectly enhances the efficiency and life-time of the heat-generating electronic components.

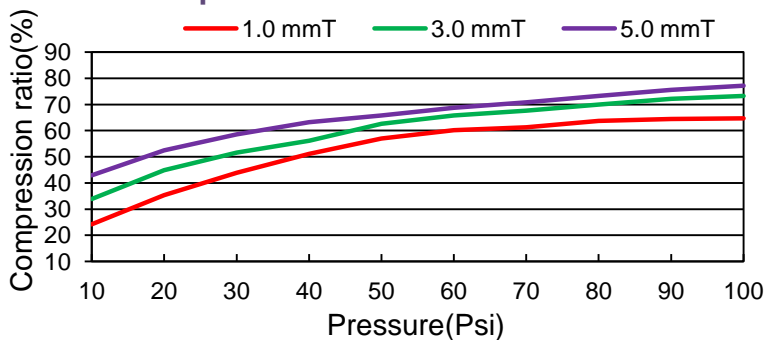
### Typical Properties of TIF700HM Series

Color	Gray	Visual
Construction	Ceramic filled silicone elastomer	*****
Thickness range	0.030"-0.400"	ASTM D374
Hardness	50 Shore 00	ASTM 2240
Specific Gravity	3.45 g/cc	ASTM D297
Operating Temp	-40 ~160 °C	*****
Dielectric Breakdown Voltage	5.5 KV	ASTM D149
Dielectric Constant@1MHz	4.5 MHz	ASTM D150
Volume Resistivity	5.2X10 <sup>13</sup> Ohm-meter	ASTM D257
Thermal Conductivity	6.0 W/mK	ASTM D5470
	6.0 W/mK	GB-T32064
Outgassing (TML)	0.30%	ASTM E595
Flame Rating	UL94 V0	UL E331100

### Psi. vs. Thermal Resistance



### Psi. vs. Compression Ratio



### Product Specification

#### Product Thicknesses

0.030-inch to 0.400-inch (0.75mm to 10.0mm)

#### Product Sizes

10" x 16" (254mm x 406mm)

Individual die cut shapes and custom thickness can be supplied. Please contact us for confirming.

### Product Identification:

TIF7 80 -HM- FG - NS1

- NS1: Single-sided coating (Remove naturally tacky)
- AL: Aluminum Foil / FG: With Fiberglass
- Product Number
- Thickness: 30-400mils
- Product Type

Thermally Conductive Materials

Heat Generating Materials

Thermally Conductive Plastics

Foaming Silica Gel

Die-Cutting Products

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