

**TIF™700Z 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 effectively enhances the efficiency and life-time of the heat-generating electronic components.

**Features**

- › Good thermal conductivity: 7.0 W/mK
- › Naturally tacky needing no further adhesive coating
- › Soft and Compressible for low stress applications
- › Available in varies thickness

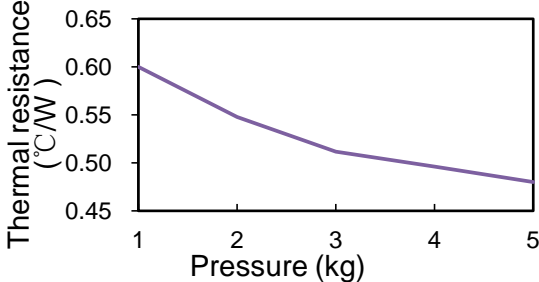
**Application**

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

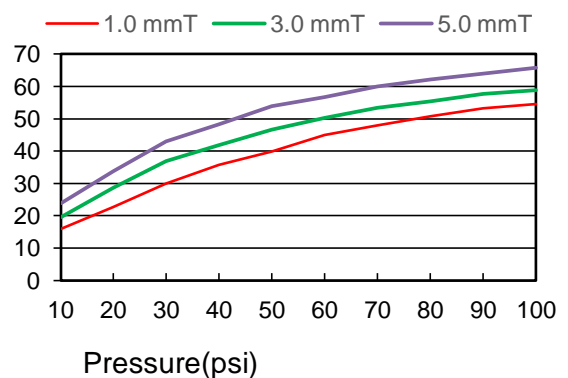
Typical Properties of TIF™700Z Series		
Color	Gray	Visual
Construction	Ceramic filled silicone elastomer	*****
Thickness range	0.020"-0.200"	ASTM D374
Hardness	55 Shore 00	ASTM 2240
Specific Gravity	3.45 g/cc	ASTM D297
Operating Temp	-40 ~200 °C	*****
Dielectric Breakdown Voltage	>5500 VAC	ASTM D149
Dielectric Constant@1MHz	4.5 MHz	ASTM D150
Volume Resistivity	5.2X10 <sup>13</sup> Ohm-cm	ASTM D257
Thermal Conductivity	7.0 W/mK	ASTM D5470
	7.0 W/mK	GB/T 32064
Outgassing (TML)	0.30%	ASTM E595
Flame Rating	94 V0	GB/T 2408

**Psi. vs. Compression**

**kg. vs. Thermal Resistance**



Compression ratio(%)



**Product Specification**

**Product Thicknesses**

0.020-inch to 0.200-inch (0.5mm to 5.0mm)

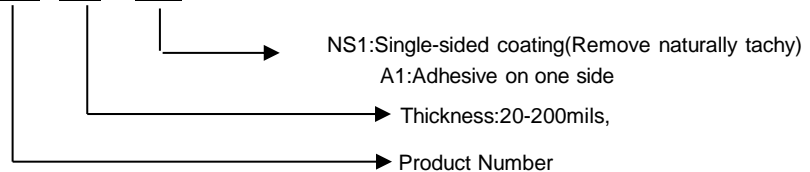
**Product Sizes**

8" x 16"(203mm x406mm)

Individual die cut shapes and custom thickness can be supplied. Please

**Product Identification:**

**TIF7 80Z - NS1**



Thermal Conductive Interface Materials  
Application Technology Download



Thermally Conductive Materials

Heat Generating Materials

Thermally Conductive Plastics

Foaming Silica Gel

Die-Cutting Products

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