

**TIF™100-40-05U 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 the coating of the very uneven surfaces.

Heat can transmit to the metal housing or dissipation plate from the separate elements or even the entire PCB, which in effect enhances the efficiency and life-time of the heat-generating electronic components.

### Features

- » Good thermal conductive: **4.0 W/mK**
- » Naturally tacky needing no further adhesive coating
- » Soft and Compressible for low stress applications
- » Available in varies thickness

### Application

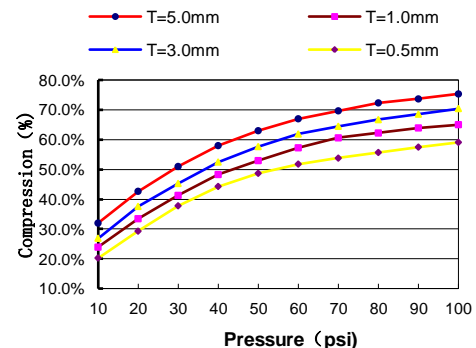
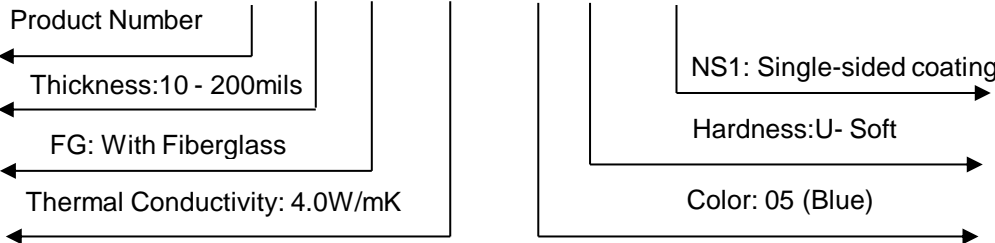
- » Cooling components to the chassis of frame
- » Car Battery & Power Supply
- » Charging Pile
- » Graphics Card Thermal Module
- » Set Top Box
- » LED

### Typical Properties of TIF100-40-05U Series

<b>Color</b>	Blue	Visual	<b>Dielectric Breakdown Voltage (T= 1mm above)</b>	>5000 VAC	ASTM D149
<b>Construction</b>	Ceramic filled silicone elastomer	*****	<b>Dielectric Constant</b>	5.5 MHz	ASTM D150
<b>Thermal Conductivity</b>	4.0 W/mK	ASTM D5470	<b>Volume Resistivity</b>	5.3X10 <sup>13</sup> Ohm-meter	ASTM D257
<b>Hardness</b>	27 Shore 00	ASTM 2240	<b>Continuous Use Temp</b>	- 40 To 160 °C	*****
<b>Specific Gravity</b>	3.0 g/cc	ASTM D297	<b>Outgassing (TML)</b>	0.40%	ASTM E595
<b>Thickness range</b>	0.010"-0.200" (0.25mm-5.0mm)	ASTM D374	<b>Flame Rating</b>	94 V0	UL E331100

### Product Identification:

**TIF1 80 FG - 40 - 05 U - NS1**



### Standard Thicknesses

0.010-inch to 0.200-inch (0.25mm to 5.0mm)

### Options

Proprietary NS1 option available to eliminate tack from one side to aid in handling.

If you want to know our thermal Products, you can visit our website . <http://www.ziitek.com>



Gap Fillers | Pouring sealant | Silicon tape | Thermally Conductive paste | Flake graphite | Thermally Conductive Insulators  
Ceramic heat sinks | Thermally Conductive plastic | Thermally Conductive Adhesive Tapes

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