

TIF™100-06E 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: **1.5 W/mK**
- » Naturally tacky needing no further adhesive coating
- » Soft and Compressible for low stress applications
- » Available in varies thickness

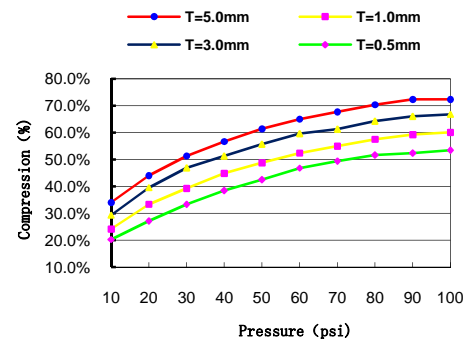
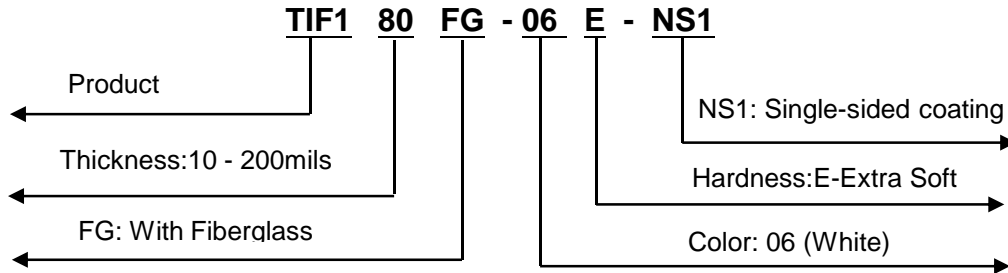
Application

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

Typical Properties of TIF100-06E Series

Color	White	Visual	Dielectric Breakdown Voltage (T= 1mm above)	>5000 VAC	ASTM D149
Construction	Ceramic filled silicone elastomer	*****	Dielectric Constant	5.5 MHz	ASTM D150
Thermal Conductivity	1.5 W/mK	ASTM D5470	Volume Resistivity	4.0X10 ¹³ Ohm-meter	ASTM D257
Hardness	35 Shore 00	ASTM 2240	Continuous Use Temp	- 40 To 160 °C	*****
Specific Gravity	2.15g/cc	ASTM D297	Outgassing (TML)	0.55%	ASTM E595
Thickness range	0.010"-0.200" (0.25mm-5.0mm)	ASTM D374	Flame Rating	94 V0	UL E331100

Product Identification:



Standard Thicknesses

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

0.010-inch to 0.020-inch thick materials come standard with fiberglass reinforcement designated by the suffix " FG".

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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