

TIF™ 600P 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.

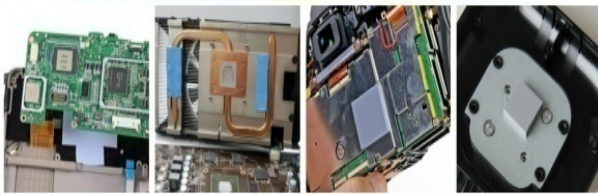
Their flexibility and elasticity make them suited to the coating of the very uneven surfaces. Heat can transmit to the metal housing or dissipation plate from the separate elements or even the entire PCB, which in effect enhances the efficiency and life-time of the heat-generating electronic components.

Features

- » Good thermal conductive: **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
- » Car Battery & Power Supply
- » Charging Pile
- » Graphics Card Thermal Module
- » Set Top Box
- » LED



Typical Properties of TIF600P Series

| | | | | | |
|----------------------|-----------------------------------|------------|---|--------------------------------|------------|
| Color | Garnet | 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 | 6.0 W/mK | ASTM D5470 | Volume Resistivity | 4.2X10 ¹³ Ohm-meter | ASTM D257 |
| Hardness | 50 Shore 00 | ASTM 2240 | Continuous Use Temp | - 40 To 160 °C | ***** |
| Specific Gravity | 3.2g/cc | ASTM D297 | Outgassing (TML) | 0.32% | ASTM E595 |
| Thickness range | 0.010"-0.200" (0.25mm-5.0mm) | ASTM D374 | Flame Rating | 94 V0 | UL E331100 |

Product Identification:

TIF6 80 P - FG - NS1

Product Number

Thickness:10 - 200mils

NS1: Single-sided coating

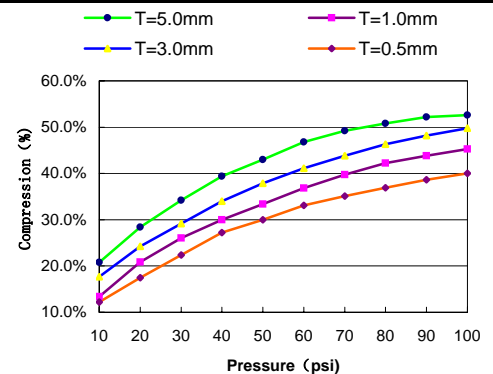
FG: With Fiberglass

Standard Thicknesses

0.010-inch to 0.200-inch (0.25 mm 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

Canada:
Tel:+001-604-2998559
E-mail: sales@thermazig.com

Taiwan:
Tel: +886-2-22771007
Fax: +886-2-22771075
E-mail: jerry@ziitek.com.tw

Dongguan:
Tel: +86-769-38801208
Fax: +86-769-83791290
E-mail: angus@ziitek.com

Kunshan:
Tel: +86-512-57816297
Fax: +86-512-57816327
E-mail: kelvin@ziitek.com

Chengdu:
Tel: +86-28-62379168
Fax: +86-28-62379168
E-mail: david_cd@ziitek.com