

Features

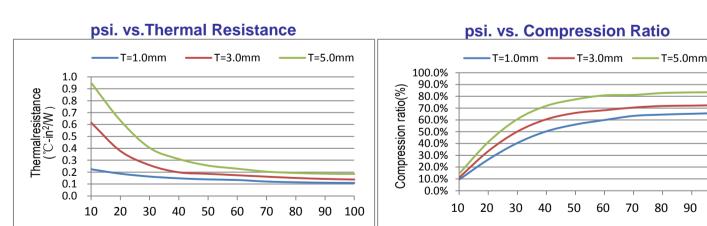
- » Good thermal conductivity
- » Naturally tacky needing no further adhesive coating
- » Soft and Compressible for low stress

applications

» Available in varies thickness

Application

- $\ensuremath{\,^{>}}$ Cooling components to the chassis of frame
- » Set Top Box
- » Car Battery & Power Supply
- » Charging Pile
- 》LED TV/ Lighting
- » Graphics Card Thermal Module



Product Thicknesses: 0.020-inch to 0.200-inch (0.5mm to 5.0mm)Product Sizes: 8" x 16"(203mm x406mm)Individual die cut shapesand and custom thickness can be supplied. Please contact us for confirmingSafe disposal method does not require special protection. The storage condition is low temperature and dry, away from openfire and away from direct sunlight. For detailed method, please refer to the product material safety data sheet.

Thermally Conductive Materials Thermally Conductive Plastics Heat Generating Materials Shielding Materials Foaming Silica Gel Die-Cutting Product

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Pressure (psi)

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Pressure (psi)



100

ZIITEK ELECTRONIC MATERIAL & TECHNOLOGY CO., LTD

TIF[™]700HM Thermally Conductive Gap Filler Pads Series

TIF[™]700HM 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 effecitly enhances the efficiency and life-time of the heat-generating electronic components.

REV03

| Typical Properties of TIF [™] 700HM Series | | |
|---|-----------------------------------|--------------|
| Property | Value | Test method |
| Color | Gray | Visual |
| Construction | Ceramic filled silicone elastomer | **** |
| Thickness range | 0.020"(0.5mm)~0.200" (5.0mm) | ASTM D374 |
| Hardness (Shore 00) | 45±5 | ASTM 2240 |
| Specific Gravity (g/cm ³) | 3.3 | ASTM D792 |
| Operating Temp | -40~160 ℃ | **** |
| Dielectric Breakdown Voltage (T=1.0mm, Vac) | ≥5500 | ASTM D149 |
| Dielectric Constant@1MHz | 4.5 | ASTM D150 |
| Volume Resistivity | ≥1.0X10 ¹² Ohm-cm | ASTM D257 |
| Thermal Conductivity(W/mK) | 6.0 | ASTM D5470 |
| | 6.0 | ISO22007-2.2 |
| Flame Rating | 94 -V0 | UL E331100 |

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein.