



TIS™ 100-10 Series products are the high-efficiency insulation ones with thermal conduction properties.

The supplement of the insulation base film made by silica gel into the heat-conduction material creates a great effect on both the insulation and heat conduction.

Feature

- » High thermal conductive and High dielectric strength
- » Low thermal resistance with high voltage isolation
- » Resistant to tears and punctures

Application

- » Car Battery & Power Supply
- » Power semiconductors
- » Audio and Video components
- » Motor controllers

Typical Properties of TIS100-10 Series

| Product Name | TIS110-10 | TIS180-10 | TIS1160-10 | Test Method |
|------------------------------|-----------------------------------|-----------|------------|-------------|
| Color | Gray | | | Visual |
| Construction & Composition | Ceramic filled silicone elastomer | | | ***** |
| Thickness | 0.25mm | 2.0mm | 4.0mm | ASTM D374 |
| Specific Gravity | 1.85g/cc | | | ASTM D297 |
| Tensile Strength | 20 kg/cm ² | | | ASTM D412 |
| Continuous Use Temp | -45 °C to 200 °C | | | ***** |
| Dielectric Breakdown Voltage | >10000 Vac | | | ASTM D149 |
| Dielectric Constant | 5.5 MHz | | | ASTM D150 |
| Volume Resistivity | 4.6X10 ¹³ Ohm-meter | | | ASTM D257 |
| Flame Rating | 94 V0 | | | E331100 |
| Thermal Conductivity | 1.0 W | | | ASTM D5470 |

Standard Thicknesses:

(0.25mm) (2.0mm) (4.0mm)

Consult the factory alternate thickness.

Peressure Sensitive Adhesive:

Request adhesive on one side with "A1" suffix.

Request adhesive on double side with "A2" suffix.

Standard Sizes:

12" x 160'(304mm x 48.76M)

Individual die cut shapes can be supplied.

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

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