



**TIS800K** Series is a high performance insulator. It combines MT Kapton film with a filled silicone rubber. The result is a product with good cut-through properties and excellent thermal performance.

TIS800K is designed to resist cut through in screw mounting applications while providing a more consistent breakdown voltage over other insulator constructions. The soft conformal coating on the film core provides an excellent mating surface for low pressure clip mounting applications.

### Feature

- » High thermal conductive and
- » High dielectric strength
- » Resistant to tears and
- » punctures

### Application

- » Car Battery & Power Supply
- » Power semiconductors
- » Audio and Video components
- » Charging Pile

## Typical Properties of TIS800K Series

Product Name	TIS806K	TIS808K	TIS810K	Test Method
Color	Light Amber			Visual
MT Kapton® Thickness	0.001"/0.025mm	0.001"/0.025mm	0.002"/0.050mm	ASTM D374
Total Thickness	0.006"/0.152mm	0.008"/0.203mm	0.010"/0.254mm	ASTM D374
Specific Gravity	2.0g/cc			ASTM D297
Tensile Strength	17.8 kpsi	20 kpsi		ASTM D412
Continuous Use Temp	-40 °C to 130 °C			*****
Dielectric Breakdown Voltage	4000 VAC	5000 VAC	6000 VAC	ASTM D149
Dielectric Constant @ 1 MHz	1.8			ASTM D257
Volume Resistivity	3.5X10 <sup>13</sup> Ohm-meter			ASTM D257
Flame Rating	94 V0			E331100
Thermal Conductivity	1.3 W/mk			ASTM D5470

### Standard Thicknesses:

0.006"(0.152mm) 0.008"(0.203mm) 0.010"(0.254mm)

Consult the factory alternate thickness.

### Standard Sizes:

10" x 100'(254mm x 25.4M)

Individual die cut shapes can be supplied.

### Peressure Sensitive Adhesive :

Request adhesive on one side with "A1" suffix.

Request adhesive on doule side with "A2" suffix.

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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