



TIS™ 100-08-01F 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:0.8W/mk
- » 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 TIS100-08-01F Series

Product Name	TIS112-08-01F-A2	TIS120-08-01F-A2	Test Method
Color	Black		Visual
Construction & Composition	Ceramic filled silicone elastomer / Fiberglass		*****
Contains the Thickness(mm)	0.6	0.8	ASTM D374
Specific Gravity (g/cc)	1.81		ASTM D297
Hardness (Shore 00)	60		ASTM D751
Tensile Strength (Kpsi)	425		ASTM D412
Continuous Use Temp (°C)	-40 to 180		*****
Dielectric Breakdown Voltage (V/mm)	>5000		ASTM D149
Dielectric Constant(@1MHz)	5.5		ASTM D150
Volume Resistivity (Ohm-meter)	4.0X10 ³		ASTM D257
Flame Rating	94 V0		E331100
Thermal Conductivity (W/mk)	0.8		ASTM D5470

Standard Thicknesses:

0.011"(0.278mm) 0.019"(0.48mm) Consult the factory alternate thickness.

Peressure Sensitive Adhesive:

Request adhesive on one side with "A1" suffix.

Request adhesive on doule 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 Tapes

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