



TIS™ 100-16-02 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: 1.6W/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 TIS100-16-02 Series

Product Name	TIS100-16-02		Test Method
Color	Red		Visual
Reinforcement Carrier	Fiberglass		*****
Thickness (mm)	(0.230mm to 0.457mm)		ASTM D374
Specific Gravity	2.3g/cc		ASTM D297
Hardness	89 Shore A		ASTM D751
Tensile Strength	425 Kpsi		ASTM D412
Continuous Use Temp	-40 °C to 180 °C		*****
Dielectric Breakdown Voltage	5000 Vac		ASTM D149
Dielectric Constant (1000Hz)	5.5 MHz		ASTM D150
Volume Resistivity	1.1X10 ¹² Ohm-cm		ASTM D257
Flame Rating	94 V0		E331100
Thermal Conductivity	1.6 W/mK		ASTM D5470
Thermal resistance (° C / W)	30psi	1.95°C/W	ASTM D5470
	50psi	1.92°C/W	

Standard Thicknesses:

0.009"(0.230mm) 0.010"(0.254mm) 0.018"(0.457mm)

Individual die cut shapes and custom thickness can be supplied. Please contact us for confirming.

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

Canada: Tel: +001-604-2998559 E-mail: sales@thermazig.com	Taiwan: Tel: +886-2-22771007 Fax: +886-2-22771075 E-mail: frances@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	Hangzhou: Tel: +86-0571-63850366 Fax: +86-0571-63850322 E-mail: alex@ziitek.com
--	---	--	--	---