



### Features

- » Soft and High thermal conductive
- » 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

### Product Specification

#### Product Thicknesses

- TIS 106-01: 0.15mm
- TIS 108-01: 0.20mm
- TIS 109-01: 0.23mm
- TIS 110-01: 0.25mm
- TIS 112-01: 0.30mm
- TIS 118-01: 0.45mm

#### Product Sizes

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

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

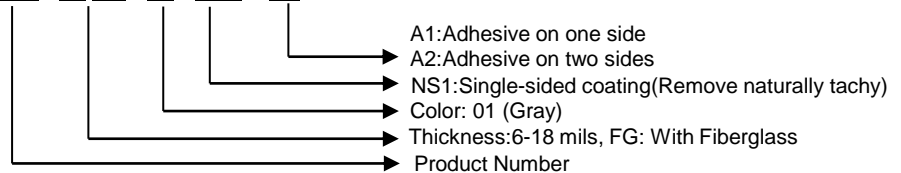
The product come standard with fiberglass reinforcement designated by the suffix " FG".

TIS™100-01 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.

Typical Properties of TIS™100-01 Series		
Color	Gray	Visual
Construction	Ceramic filled silicone elastomer / Fiberglass	*****
Thickness range	0.15mm-0.45mm	ASTM D374
Specific Gravity(g/cc)	2.06	ASTM D297
Tensile Strength	425 Kpsi	ASTM D412
Continuous Use Temp	-45~180°C	*****
Dielectric Breakdown Voltage	>3500 VAC	ASTM D149
Dielectric Constant@1MHz	5.5	ASTM D150
Volume Resistivity	>4x10 <sup>12</sup> Ohm-cm	ASTM D257
Thermal Conductivity	1.0 W/mK	ASTM D5470
	1.0 W/mK	ISO22007.2.2
Flame Rating	94 V0	UL E331100

### Product Identification:

TIS1 00 FG - 01 - NS1 - A1



Thermally Conductive Materials

Heat Generating Materials

Thermally Conductive Plastics

Foaming Silica Gel

Die-Cutting Products

#### Canada:

Tel: +001-604-2998559  
E-mail: sales@thermazig.com

#### China:

Tel: +86-769-38801208  
E-mail: frances@ziitek.com

#### Taiwan:

Tel: +886-2-22771007  
E-mail: frances@ziitek.com.tw

Thermal Conductive Interface Materials  
Application Technology Download



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.

http://www.ziitek.com