

Features

- » 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

Product Specification

Product Thicknesses

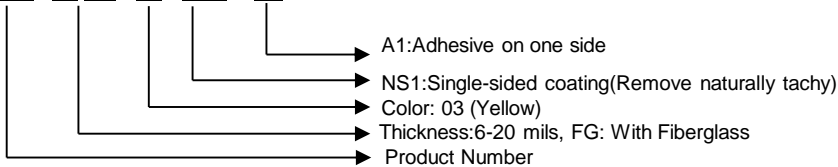
- TIS 106-03: 0.15mm
- TIS 108-03: 0.20mm
- TIS 109-03: 0.23mm
- TIS 112-03: 0.30mm
- TIS 120-03: 0.50mm

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".

Product Identification:

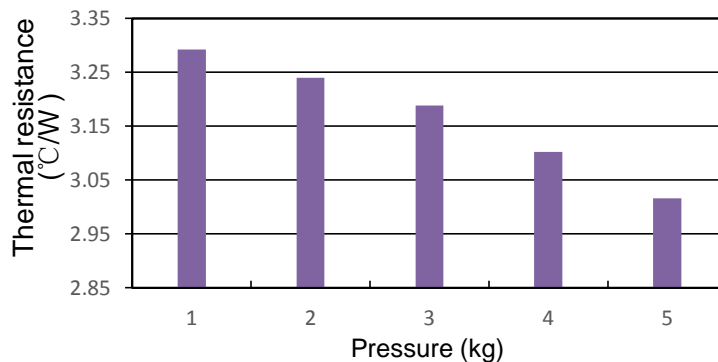
TIS1 00 FG - 03- NS1 - A1



TIS™ 100-03 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™ 100-03 Series		
Color	Yellow	Visual
Construction	Ceramic filled silicone elastomer / Fiberglass	*****
Thickness range	0.15mm-0.5mm	ASTM D374
Hardness	50 Shore 00	ASTM 2240
Specific Gravity	1.768 g/cc	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 MHz	ASTM D150
Volume Resistivity	4x10 ¹³ Ohm-cm	ASTM D257
Thermal Conductivity	1.0 W/mK	ASTM D5470
	1.0W/mK	GB-T32064
Flame Rating	94 V0	UL E331100

Psi. vs. Thermal Resistance



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



http://www.ziitek.com

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