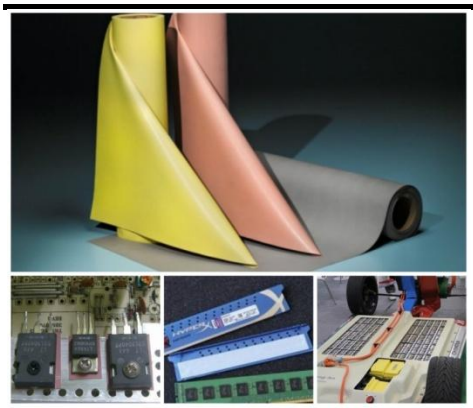
ZIITEK ELECTRONIC MATERIAL &TECHNOLOGY CO.,LTD

TIS™ 100-SP1800 Thermally Conductive Insulators Series

REV01



TIS™100-SP1800 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

Typical Properties of TIS™100-SP1800 Series		
Color	Blue	Visual
Construction	Ceramic filled silicone elastomer / Fiberglass	**********
Thickness	0.203mm-0.45mm	ASTM D374
Hardness	80 Shore A	ASTM 2240
Specific Gravity	1.82 g/cc	ASTM D297
Tensile Strength	425 Kpsi	ASTM D412
Continuous Use Temp	-45~180°C	**********
Dielectric Breakdown Voltage	>3000 VAC	ASTM D149
Dielectric Constant@1MHz	6.1 MHz	ASTM D150
Volume Resistivity	$1.1x10^{11}$ Ohm-meter	ASTM D257
Thermal Conductivity	1.8 W/mK	ASTM D5470
	1.8W/mK	GB-T32064
Flame Rating	94 V0	UL E331100

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

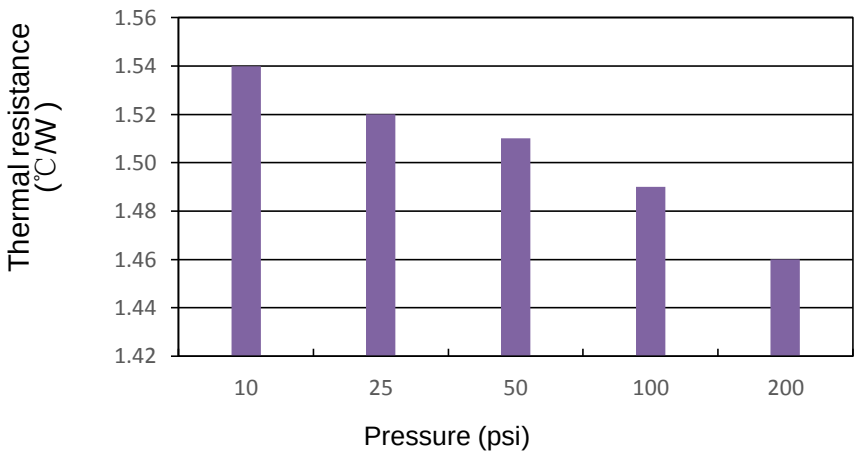
Product Thicknesses

TIS 108-SP1800: 0.20mm
TIS 109-SP1800: 0.23mm
TIS 112-SP1800: 0.30mm
TIS 118-SP1800: 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".

Psi. vs.Thermal Resistance



Product Identification:

TIS1 00 FG - SP1800- NS1 - A1

- A1:Adhesive on one side
- A2:Adhesive on two sides
- NS1:Single-sided coating(Remove naturally tachy)
- Product Number
- Thickness:6-18 mils, FG: With Fiberglass
- Product type

Thermal Conductive Interface Materials
Application Technology Download

Thermally Conductive Materials Heat Generating Materials Thermally Conductive Plastics
Foaming Silica Gel Die-Cutting Products

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