TIS™100-86/30 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™100-86/30 Series		
Color	White	Visual
Construction	Ceramic filled silicone elastomer	**********
Thickness range	0.125mm-0.500mm	ASTM D374
Hardness	75 Shore A	ASTM 2240
Specific Gravity	2.33 g/cm^3	ASTM D297
Tensile Strength	1.5N/mm2	ASTM D412
Continuous Use Temp	-60~250℃	**********
Dielectric Breakdown Voltage	>1500 VAC	ASTM D149
Dielectric Constant@1MHz	3.0MHz	ASTM D150
Volume Resistivity	4x10^{12} Ohm-meter	ASTM D257
Thermal Conductivity	2.5 W/mK	ASTM D5470
	2.5W/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

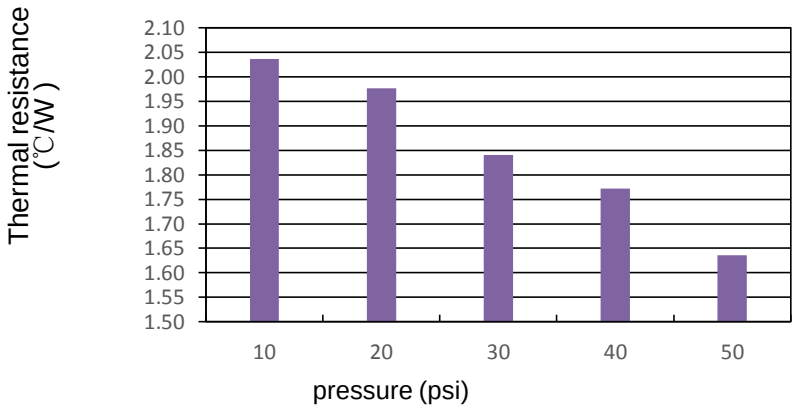
Application

》Car Battery & Power Supply
》Power semiconductors
》Audio and Video components
》Motor controllers

Product Specification

Product Thicknesses
TIS 105-86/30: 0.125mm
TIS 109-86/30: 0.225mm
TIS 112-86/30: 0.300mm
TIS 116-86/30: 0.400mm
TIS 120-86/30: 0.500mm
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 - 86/30 - NS1 - A1

A1:Adhesive on one side
A2:Adhesive on two sides
NS1:Single-sided coating(Remove naturally tachy)
Product Number
Thickness:5-20 mils, FG: With Fiberglass
Product type

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

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

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

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