

## Features

- » Soft surface and good thermal conductivity
- » Excellent dielectric strength
- » High voltage insulation, low thermal resistance
- » Tear-resistant, puncture-resistant

## Application

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

**TIS® 100-16-01 series** of products are highly efficient insulating products and they also have thermal conductivity. It achieves the effect of both insulation and heat conduction by adding insulating silicone base material to the heat-conducting material.

Typical Properties of TIS® 100-16-01 Series				
Property	Value			Test method
Color	Gray			Visual
Construction	Ceramic filled silicone elastomer / Fiberglass			-
Thickness Range (inch/mm)	0.006 0.15	0.008~0.009 0.20~0.23	0.010~0.018 0.25~0.45	ASTM D374
Density (g/cc)	2.3			ASTM D297
Tensile Strength (Mpa)	30.0			ASTM D 412
Recommended Operating Temperature (°C)	-60~180			-
Breakdown Voltage (V/mm)	3000	4000	5000	ASTM D149
Dielectric Constant @1MHz	5.5			ASTM D150
Volume Resistivity (Ohm·cm)	4x10 <sup>12</sup>			ASTM D257
Thermal Conductivity (W/mK)	1.6			ASTM D5470
	1.6			ISO 22007-2.2
Flame Rating	V-0			UL94 (E331100)

## Product Specification

**Standard thickness:** 0.006~0.018 inch (0.15~0.45 mm).

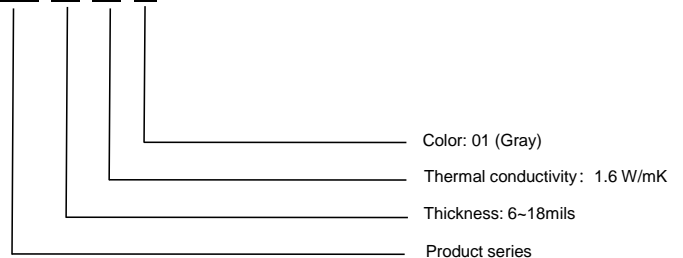
**Standard size:** 12"×160' (304 mm×48.76 m).

The TIS series can be die-cut into different shapes and provided.

If you need different thicknesses, please contact our company.

## Product Identifier

**TIS1 00 - 16 - 01**



## Global solutions: Local support

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