



## TC-TAG-3 Series

Shin-Etsu Silicones of America, Inc.  
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### Product Description

Shin-Etsu's TC-TAG-3 series pads are thermally conductive pads designed to thermally connect electronic components to their heat sinks. The TC-TAG-3 series pads exhibit excellent thermal conductivity and fiberglass reinforcement for superior strength and hardness.

### Product Features

- Excellent thermal conductivity
- 0.20, 0.30, and 0.45mm thicknesses available
- Excellent electrical properties
- Superior strength and hardness
- UL 94 V-0 flame rated

### Typical Applications

- Vehicle inverters/converters
- Power Transistors
- Power Modules
- LED Modules

### Typical Properties

Type	High Hardness Thermal Pads
UL Listing	Y
Low Molecular Weight Siloxane Stripped?	Y
Color	Dark Gray
Density @ 23C (g/cm <sup>3</sup> )	2.80
Shore A Hardness	90
Volume Resistivity (TΩ·m)	0.300
Dielectric Strength (kV/mm)	37.0
Thermal Conductivity (W/m·K)	3.40
Thermal Resistance (mm <sup>2</sup> ·K/W)	170
Usable Temp. Range (C)	-40 to +180
Thickness (mm)	0.30
Reinforced Layer	Fiberglass
Sheet Size (mm)	300 x 1000

*Note: Values are not for specification purposes.*

*Physical properties are typical for the thickness given. Other thicknesses may have slightly varying properties and are available upon request.*

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