

Product Description

Shin-Etsu's TC-EG series pads are thermally conductive pads designed to thermally connect electronic components to their heat sinks. The TC-EG 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

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	Light Blue
Density @ 23C (g/cm ³)	3.10
Shore A Hardness	95
Tensile Strength (MPa)	16.80
Tear Strength (kN/m)	53.0
Volume Resistivity (TΩ·m)	10.000
Dielectric Strength (kV/mm)	23.0
Dielectric Dissipation Factor	4x10 ⁻³ @ 50Hz
Dielectric Constant	6.5 @ 50Hz
Thermal Conductivity (W/m·K)	3.10
Thermal Resistance (C/W)	0.30
Usable Temp. Range (C)	-40 to +180
Thickness (mm)	0.30
Reinforced Layer	Fiberglass
Sheet Size (mm)	300 x 400

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.

Warranty- The information and data contained herein are believed to be accurate and reliable; however it is the user's responsibility to determine suitability of use. Since Shin-Etsu Silicones, Inc. cannot know all of the uses to which its products may be put or the conditions of use, it makes no warranties concerning the fitness or suitability of its products for a particular use or purpose. You should thoroughly test any proposed use of our products and independently conclude satisfactory performance in your application. Likewise, if the manner in which our products are used requires governmental approval or clearance, you must obtain it. Shin-Etsu Silicones, Inc. warrants only that its products will meet its specifications. There is no warranty of merchantability of fitness of use, nor any other expressed or implied warranties. The user's exclusive remedy and Shin-Etsu Silicones, Inc.'s sole liability is limited to refund of the price or replacement of any product shown to be otherwise than as warranted. Shin-Etsu Silicones, Inc. will not be liable for incidental or consequential damages of any kind. Suggestions of uses should not be taken as inducements to infringe any patents.