TC-SP-1.7 Series

Shin-Etsu Silicones of America, Inc.
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Product Description

Shin-Etsu's TC-SP-1.7 series pads are ultra soft, thermally conductive pads designed to thermally connect electronic components to their heat sinks. TC-SP-1.7 series pads exhibit excellent thermal conductivity and softness, reducing the contact thermal resistance and the stress on the heating element.

Product Features

- Ultra soft and compressible
- Excellent thermal conductivity
- 0.50, 1.00, 1.50, 2.00, 2.50, 3.00, 4.00, and 5.00mm thicknesses available
- Low stress and contact thermal resistance
- Excellent electrical insulation
- UL 94 V-0 rated

Typical Applications

- Vehicle modules
- Power supplies
- LED modules

Typical Properties

Type	Soft and Ultra Soft Thermal Pads
UL Listing	Y
Low Molecular Weight Siloxane Stripped?	Y
Color	Gray/Light blue
Density @ 23C (g/cm^3)	2.30
Shore 00 Hardness	18
Dielectric Strength (kV/mm)	16.0
Thermal Conductivity (W/m·K)	1.50
Thermal Resistance (C/W)	1.00
Usable Temp. Range (C)	-40 to +180
Thickness (mm)	.5 - 5.0
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.

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