



BERGQUIST SIL PAD TSP T900

Known as BERGQUIST SIL-PAD TUBE 1000
February 2020

PRODUCT DESCRIPTION

Silicone-Based, Thermally Conductive Tubes.

Technology	Silicone
Appearance	Brown
Reinforcement Carrier	Fiberglass
Thickness / Wall , ASTM D374	0.3
Application	Thermal management, Thermally conductive adhesive
Operating Temperature Range	-60 to 180°C

FEATURES AND BENEFITS

- Thermal Conductivity: 1.2 W/m-K
- For clip-mounted plastic power packages

TYPICAL APPLICATIONS

- Clip-mounted power semiconductors
- TO-220, TO-218, TO-247 and TO-3P

BERGQUIST SIL PAD TSP T900 provide thermally conductive insulation for clip-mounted plastic power packages. Sil-Pad Tubes are made of silicone rubber with high thermal conductivity.

BERGQUIST SIL PAD TSP T900 is best suited for higher thermal performance. BERGQUIST SIL PAD TSP T900 are designed to meet VDE, U.L. and TUV agency requirements.

TYPICAL PROPERTIES

Physical Properties

Hardness, Shore A, ASTM D2240	80
Breaking Strength, ASTM D1458, KN/m	1
Flammability Rating, UL 94	V-0

Electrical Properties

Dielectric Breakdown Voltage , ASTM D149, Vac	5,000
Dielectric Constant, ASTM D150 @ 1,000 Hz	4.5
Volume Resistivity, ASTM D257, ohm-meter	1×10^{11}

Thermal Properties

Thermal Conductivity , ASTM D5470, W/(m-K)	1.2
Thermal Impedance , ASTM D5470, °C-in ² /W ⁽¹⁾	0.4

¹⁾ The ASTM D5470 test fixture was used. The recorded value includes interfacial thermal resistance. These values are provided for reference only. Actual application performance is directly related to the surface roughness, flatness and pressure applied.

GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

STORAGE:

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage : 8 to 28 °C

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

CONFIGURATIONS AVAILABLE

BERGQUIST SIL PAD TSP T900 are supplied in:

- TO-220, TO-218, TO-247 and TO-3P

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\text{N} \times 0.225 = \text{lb/F}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{psi} \times 145 = \text{N/mm}^2$
 $\text{MPa} = \text{N/mm}^2$
 $\text{N} \cdot \text{m} \times 8.851 = \text{lb} \cdot \text{in}$
 $\text{N} \cdot \text{m} \times 0.738 = \text{lb} \cdot \text{ft}$
 $\text{N} \cdot \text{mm} \times 0.142 = \text{oz} \cdot \text{in}$
 $\text{mPa} \cdot \text{s} = \text{cP}$



Disclaimer

Note:

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