



BERGQUIST SIL PAD TSP Q2000

Known as BERGQUIST Q-PAD 3 November 2018

PRODUCT DESCRIPTION

Glass-Reinforced Grease Replacement Thermal Interface.

Technology	Silicone
Appearance	Black
Reinforcement Carrier	Fiberglass
Total Thickness	0.127mm
, ASTM D374	
Application	Thermal management,
	Thermally conductive adhesive
Operating Temperature	-60 to 180°C
Range	

FEATURES AND BENEFITS

- Thermal impedance: 0.35°C-in²/W @ 50 psi
- Eliminates processing constraints typically associated with grease
- Conforms to surface textures
- Easy handling
- May be installed prior to soldering and cleaning without worry

TYPICAL APPLICATIONS

- Between a transistor and a heat sink
- Between two large surfaces such as an L-bracket and the chassis of an assembly
- Between a heat sink and a chassis
- Under electrically isolated power modules or devices such as resistors, transformers and solid state relays

BERGQUIST SIL PAD TSP Q2000 eliminates problems associated with thermal grease such as contamination of electronic assemblies and reflow solder baths. BERGQUIST SIL PAD TSP Q2000 may be installed prior to soldering and cleaning without worry.

When clamped between two surfaces, the elastomer conforms to surface textures thereby creating an air-free interface between heat-generating components and heat sinks. Fiberglass reinforcement enables BERGQUIST SIL PAD TSP Q2000 to withstand processing stresses without losing physical integrity. It also provides ease of handling during application.

TYPICAL PROPERTIES

Physical Properties

Hardness, Shore A, ASTM D2240	86
Flammability Rating, UL 94	V-0

Electrical Properties

Non-Ins ulating
NA
1×10 ²
2.0
2.26
1.99
1.76
1.53
1.3
0.65
0.48
0.35
0.24
0.16

I) 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.

CONFIGURATIONS AVAILABLE

BERGQUIST SIL PAD TSP Q2000 are supplied in:

- · Sheet form, roll form and die-cut parts
- With or without pressure-sensitive adhesive



Conversions

(°C x 1.8) + 32 = °F kV/mm x 25.4 = V/mil mm / 25.4 = inches N x 0.225 = lb N/mm x 5.71 = lb/in psi x 145 = N/mm² MPa = N/mm² N·m x 8.851 = lb·in N·m x 0.738 = lb·ft N·mm x 0.142 = oz·in mPa·s = cP

Disclaimer

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Reference 1

Mouser Electronics

Authorized Distributor

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Bergquist Company:

Q3-0.005-00-101 Q3-0.005-00-104 Q3-0.005-00-43 Q3-0.005-00-46 Q3-0.005-00-48 Q3-0.005-00-51 Q3-0.005-00-50 Q3-0.005-00-52 Q3-0.005-00-67 Q3-0.005-00-86 Q3-0.005-00-90 Q3-0.005-AC-35 Q3-0.005-00-1012 Q3-0.005-00-102 Q3-0.005-00-103 Q3-0.005-00-105 Q3-0.005-00-101 Q3-0.005-00-110 Q3-0.005-00-111 Q3-0.005-00-112 Q3-0.005-00-113 Q3-0.005-00-114 Q3-0.005-00-115 Q3-0.005-00-116 Q3-0.005-00-117 Q3-0.005-00-118 Q3-0.005-00-119 Q3-0.005-00-12 Q3-0.005-00-13 Q3-0.005-00-15 Q3-0.005-00-13 Q3-0.005-00-14 Q3-0.005-00-15 Q3-0.005-00-15 Q3-0.005-00-16 Q3-0.005-00-17 Q3-0.005-00-18 Q3-0.005-00-19 Q3-0.005-00-2 Q3-0.005-00-3 Q3-0.005-00-3 Q3-0.005-00-3 Q3-0.005-00-3 Q3-0.005-00-3 Q3-0.005-00-3 Q3-0.005-00-3 Q3-0.005-00-4 Q3-0.005-00-4 Q3-0.005-00-5 Q