Technical Data Sheet

BERGQUIST SIL PAD TSP PPK900

Known as BERGQUIST POLY-PAD K-4
May 2019

PRODUCT DESCRIPTION

Polyester-Based, Thermally Conductive Insulation Material.

Technology	Polyester-based
Appearance	Mauve
Reinforcement Carrier	Kapton
Total Thickness , ASTM D374	0.152 ± 0.25 mm
Application	Thermal management, Thermally conductive adhesive
Maximum Operating Temperature	150ºC

TYPICAL APPLICATIONS

- Applications requiring conformal coatings
- Telecommunications
- Aerospace

BERGQUIST SIL PAD TSP PPK900 is a composite of DuPont Kapton film coated with an alumina-filled polyester resin. BERGQUIST SIL PAD TSP PPK900 is an economical insulator and the Kapton carrier provides excellent dielectric and physical strength.

TYPICAL PROPERTIES

Electrical Properties

Dielectric Breakdown Voltage , ASTM D149, VAC	6,000
Volume Resistivity, ASTM D257, ohm-meter	1×10^{12}

Thermal Properties

Thermal Conductivity , ASTM D5470, W/(m-K)	0.9
Thermal Resistance, Bergquist Flat Plate Test Method, ºC-in²/W	0.3

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.

Conversions

(°C x 1.8) + 32 = °F
kV/mm x 25.4 = V/mil
mm / 25.4 = inches
N x 0.225 = lb/F
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

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Reference 2