



# BERGQUIST SIL PAD TSP PPK1300

Known as BERGQUIST POLY-PAD K-10  
May 2019

## PRODUCT DESCRIPTION

Polyester-Based, Thermally Conductive Insulation Material.

|                                       |  |
|---------------------------------------|--|
| <b>Technology</b>                     | Polyester-based                                      |
| <b>Appearance</b>                     | Yellow   |
| <b>Reinforcement Carrier</b>          | Kapton   |
| <b>Total Thickness</b><br>, ASTM D374 | 0.152 ± 0.25 mm                                      |
| <b>Application</b>                    | Thermal management,<br>Thermally conductive adhesive |
| <b>Maximum Operating Temperature</b>  | 150°C  |

## Conversions

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

## TYPICAL APPLICATIONS

- Applications requiring conformal coatings
- Telecommunications
- Aerospace

BERGQUIST SIL PAD TSP PPK1300 is a composite of DuPont Kapton film coated with a boron nitride-filled polyester resin. BERGQUIST SIL PAD TSP PPK1300 offers superior thermal performance for your most critical applications with thermal resistance of 0.2 °C/Watt as well as excellent dielectric strength.

## TYPICAL PROPERTIES

### Electrical Properties

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

### Thermal Properties

Thermal Conductivity , ASTM D5470, W/(m-K) 1.3  
Thermal Resistance, Bergquist Flat Plate Test Method, °C-in<sup>2</sup>/W 0.2

## 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.

## Disclaimer

### Note:

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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