



BERGQUIST GAP PAD TGP 3000M

March 2019

PRODUCT DESCRIPTION

A 3 W/m-K, Low Modulus Gap Pad with exceptional thermal performance at low pressures.

Technology	Silicone
Appearance	Light brown
Reinforcement Carrier	None
Thickness, inch (mm)	0.040 (1.0) 0.060 (1.5) 0.080 (2.0) 0.100 (2.5) 0.125 (3.18)
Inherent Surface Tack	2 sides
Application	Thermal management, TIM (Thermal Interface Material)
Operating Temperature Range	-60 to 200°C
UL Flammability Rating	UL 94 V-0

FEATURES AND BENEFITS

- Thermal Conductivity: 3.0 W/m-K
- High-compliance, low compression stress

BERGQUIST GAP PAD TGP 3000M is a soft gap filling material specially formulated for use on applications requiring low assembly stress. It is highly conformable to rough or irregular surfaces, allowing excellent wet-out at the interface. The inherent tack on both sides of the material eliminates the need for thermally impeding adhesive layers and allows for stick-in-place characteristics during assembly. Protective liners are supplied on both sides allowing for ease of use.

TYPICAL APPLICATIONS

- Telecommunications (routers, switches, base stations)
- Computing (Memory, SSD, SOC)
- Automotive (Audio, Infotainment, Power Conversion)

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties

Hardness, Shore 00, ASTM D2240	35
Inherent Surface Tack (reduced tack on one side)	2
Density, ASTM D792, g/cc	3.1
Heat Capacity, ASTM E1269, J/g-K	0.85
Young's Modulus, ASTM D575	kPa 117 (psi) (17)
Shelf life, days	365

Electrical Properties

Volume Resistivity, ASTM D257, ohm-meter	1×10^{10}
Dielectric Breakdown Voltage, ASTM D149, VAC	6,000
Dielectric Constant @ 1,000 Hz, ASTM D150	7.4

Thermal Properties

Thermal Conductivity, ASTM D5470, W/(m-K)	3.0
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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: 25°C (± 3), 50% RH (± 10) for a 12 months shelf life. 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.



Conversions

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

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