Technical Data Sheet

BERGQUIST GAP PAD TGP 3004SF

Known as BERGQUIST GAP PAD 3004SF
April 2019

PRODUCT DESCRIPTION

High Performance, Thermally Conductive Material With Silicone-Free Formulation.

Technology	Silicone free
Appearance	Light gray
Reinforcement Carrier	0.25 mil PET film
Thickness, ASTM D374	0.254 to 3.175mm , ASTM D374
Inherent Surface Tack	1
Application	Thermal management, TIM (Thermal Interface Material)
Operating Temperature Range	-40 to 125ºC

FEATURES AND BENEFITS

- Thermal Conductivity: 3.0 W/m-K
- Excellent thermal performance
- Silicone-free formulation
- 0.25 mil PET provides easy disassembly, leaving no residue
- Tacky side allows for ease of handling and placement

BERGQUIST GAP PAD TGP 3004SF high performance, 3.0 W/m-K, thermally conductive gap filling material. BERGQUIST GAP PAD TGP 3004SF is silicone-free by design and offers exceptionally low interfacial resistances to adjacent surfaces.

BERGQUIST GAP PAD TGP 3004SF is designed for applications that are silicone-sensitive. BERGQUIST GAP PAD TGP 3004SF is constructed using a 0.25 mil PET film that provides a no tack surface on one side and natural tack on the other side.

TYPICAL APPLICATIONS

- Hard disk drives
- HDD/SSD combination drives
- Medical devices
- Optical components
- Laser optics
- HDD case to tray
- Automotive electronics (HEV, NEV, batteries)
- Solar energy
- LED lighting

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties

Hardness, Shore 00, Thirty second delay value @ 250 mil, 23°C, ASTM D2240, Bulk rubber	70
Heat Capacity, ASTM E1269, J/g-K	0.8
Density, Bulk rubber, ASTM D792, g/cc	3.2
Flammability, UL 94	V-0

Electrical Properties

Dielectric Breakdown Voltage , ASTM D149, VAC	>6,000
Dielectric Constant, ASTM D150, 1,000Hz	8.0
Volume Resistivity, ASTM D257, ohm-meter	1×10^{11}

Thermal Properties

Thermal Conductivity, ASTM D5470, W/(m-K)	3.0

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 GAP PAD TGP 3004SF is available in the following configurations:

- Sheet form
- Die-Cut parts
- Custom thicknesses available upon request

Natural tack both sides with fiberglass.

STORAGE

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

Optimal Storage: 25ºC (±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

(°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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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

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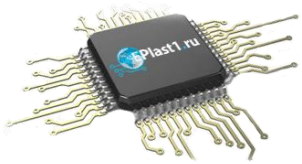
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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