

# Gap Pad® 2202SF

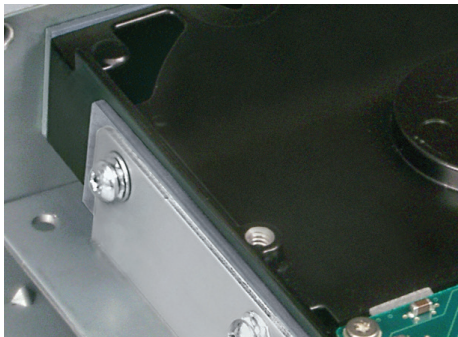
August 2014

## PRODUCT DESCRIPTION

Silicone-Free Formulation, High Performance Thermally Conductive Material

## FEATURES AND BENEFITS

- Thermal conductivity: 2.0 W/m-K
- Silicone-free formulation
- Minimal compression set
- 0.5 mil film provides tack-free surface
- Tacky side allows for ease of handling and placement



Gap Pad® 2202SF is a high performance, 2.0 W/m-K, thermally conductive gap filling material. The Gap Pad® 2202SF compound is silicone-free by design and offers exceptionally low interfacial resistances to adjacent surfaces.

Gap Pad® 2202SF is specifically designed for silicone-sensitive applications. The material's construction features a 0.5 mil PET film on one side and natural tack on the other. The natural tack eliminates the need for an additional adhesive layer.

*Note: To build a part number, visit our website at [www.bergquistcompany.com](http://www.bergquistcompany.com).*

## TYPICAL PROPERTIES OF GAP PAD 2202SF

PROPERTY	IMPERIAL VALUE	METRIC VALUE	TEST METHOD
Color	Gray	Gray	Visual
Reinforcement Carrier	0.5 mil PET Film	0.5 mil PET Film	—
Thickness (inch) / (mm)	0.010 to 0.125	0.254 to 3.175	ASTM D374
Inherent Surface Tack (1 or 2 sided)	1	1	—
Density (g/cc)	2.8	2.8	ASTM D792
Hardness (Bulk Rubber) (Shore 00) <sup>1</sup>	70	70	ASTM D2240
Continuous Use Temp (°F) / (°C)	-40 to 257	-40 to 125	—
<b>ELECTRICAL</b>			
Dielectric Constant (1000 Hz)	6.0	6.0	ASTM D150
Volume Resistivity (Ohm-meter)	10 <sup>11</sup>	10 <sup>11</sup>	ASTM D257
Flame Rating	V-O	V-O	U.L. 94
<b>THERMAL</b>			
Thermal Conductivity (W/m-K) <sup>2</sup>	2.0	2.0	ASTM D5470 <sup>3</sup>

1) Thirty second delay value at 250 mil, 23°C. 2) This is the measured thermal conductivity of the Gap Pad Compound. 3) The ASTM D5470 text fixture was used. The recorded value includes interfacial thermal resistance. These values are given to the customer for reference only. Actual application performance is directly related to the surface roughness, flatness and pressure applied.

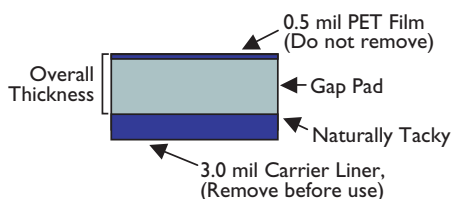
## TYPICAL APPLICATIONS INCLUDE

- Hard drives
- Optical applications
- Set top boxes

## CONFIGURATIONS AVAILABLE

- Sheet form
- We produce thousands of specials. Tooling charges vary depending on tolerances and complexity of the part.
- Custom thicknesses available upon request

## CONSTRUCTION



## Disclaimer

### Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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