

# Gap Pad® 2200SF

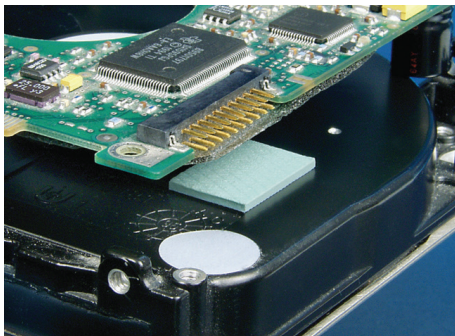
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## PRODUCT DESCRIPTION

Thermally Conductive, Silicone-Free Gap Filling Material

## FEATURES AND BENEFITS

- Thermal conductivity: 2.0 W/m-K
- Silicone-free formulation
- Medium compliance with easy handling
- Electrically isolating



Gap Pad® 2200SF is a thermally conductive, electrically isolating, silicone-free polymer specially designed for silicone-sensitive applications. The material is ideal for applications with uneven topologies and high stackup tolerances. Gap Pad® 2200SF is reinforced for easy material handling and added durability during assembly. The material is available with a protective liner on both sides. Gap Pad® 2200SF is supplied with reduced tack on one side allowing for burn-in processes and easy rework.

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

## TYPICAL PROPERTIES OF GAP PAD 2200SF

PROPERTY	IMPERIAL VALUE	METRIC VALUE	TEST METHOD
Color	Green	Green	Visual
Reinforcement Carrier	Fiberglass	Fiberglass	—
Thickness (inch) / (mm)	0.010 to 0.125	0.254 to 3.175	ASTM D374
Inherent Surface Tack (1 or 2 sided)	2	2	—
Density (g/cc)	2.8	2.8	ASTM D792
Heat Capacity (J/g-K)	1.0	1.0	ASTM E1269
Hardness, Bulk Rubber (Shore 00) (1)	70	70	ASTM D2240
Young's Modulus (psi) / (kPa) (2)	33	228	ASTM D575
Continuous Use Temp (°F) / (°C)	-76 to 257	-60 to 125	—
<b>ELECTRICAL</b>			
Dielectric Breakdown Voltage (Vac)	>5000	>5000	ASTM D149
Dielectric Constant (1000 Hz)	6.0	6.0	ASTM D150
Volume Resistivity (Ohm-meter)	10 <sup>8</sup>	10 <sup>8</sup>	ASTM D257
Flame Rating	V-O	V-O	U.L. 94
<b>THERMAL</b>			
Thermal Conductivity (W/m-K)	2.0	2.0	ASTM D5470

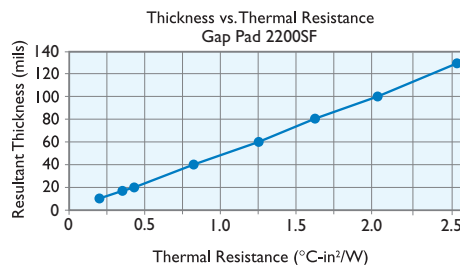
1) Thirty second delay value Shore 00 hardness scale.  
 2) Young's Modulus, calculated using 0.01 in/min. step rate of strain with a sample size of 0.79 inch<sup>2</sup>. For more information on Gap Pad modulus, refer to Bergquist Application Note #116.

## TYPICAL APPLICATIONS INCLUDE

- Digital disk drives
- Proximity near electrical contacts (e.g. DC brush motors, connectors, relays)
- Fiber optics modules

## CONFIGURATIONS AVAILABLE

- Sheet form and die-cut parts
- Standard sheet size is 8" x 16"



## Disclaimer

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