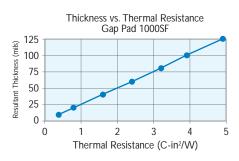
Features and Benefits

- Thermal conductivity: 0.9 W/m-K
- · No silicone outgassing
- No silicone extraction
- · Reduced tack on one side to aid in application assembly
- · Electrically isolating



The new Gap Pad 1000SF is a thermally conductive, electrically insulating, siliconefree polymer specially designed for silicone-sensitive applications. The material is ideal for applications with high standoff and flatness tolerances. Gap Pad 1000SF is reinforced for easy material handling and added durability during assembly. The material is available with a protective liner on both sides of the material. The topside has reduced tack for ease of handling.

Note: Resultant thickness is defined as the final gap thickness of the application.



Thermally Conductive, Silicone-Free Gap Filling Material

TYPICAL PROPERTIES OF GAP PAD 1000SF			
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)	2.0	2.0	ASTM D792
Heat Capacity (J/g-K)	1.1	1.1	ASTM E1269
Hardness, Bulk Rubber (Shore 00) (1)	40	40	ASTM D2240
Young's Modulus (psi) / (kPa) (2)	34	234	ASTM D575
Continuous Use Temp (°F) / (°C)	-76 to 257	-60 to 125	
ELECTRICAL			
Dielectric Breakdown Voltage (Vac)	>6000	>6000	ASTM D149
Dielectric Constant (1000 Hz)	5.0	5.0	ASTM D150
Volume Resistivity (Ohm-meter)	1010	1010	ASTM D257
Flame Rating	V-1	V-1	U.L. 94
THERMAL			
Thermal Conductivity (W/m-K)	0.9	0.9	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 inch². For more information on Gap Pad modulus, refer to Bergquist Application Note #116

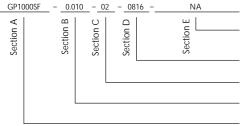
Typical Applications Include:

- Digital disk drives / CD-ROM
- Automotive modules
- Fiber optics modules

Configurations Available:

- Sheet form
- Die-cut parts

Building a Part Number



Note: To build a part number, visit our website at www.bergquistcompany.com.

Standard Options

📢 example

NA = Selected standard option. If not selecting a standard option, insert company name, drawing number, and revision level

0806: = Standard sheet size 8" x 16", or 00 = custom configuration

02 = Natural tack, both sides

Standard thicknesses available: 0.010", 0.015", 0.020", 0.040", 0.060", 0.080", 0.100", 0.125

GP1000SF = Gap Pad 1000SF Material

Gap Pad®: U.S. Patent 5,679,457 and others



Fax: 952-835-0430

www.bergquistcompany.com

The Bergquist Company - Asia New Gergquist Company - Asid Room 15, 8/F Wah Wai Industrial Centre No. 38-40, Au Pui Wan Street Fotan, Shatin, N.T. Hong Kong Ph: 852.2690.2946 Fax: 852.2690.2344 All statements, technical information and recommendations herein are based on tests we believe to be reliable, and THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MARKETABILITY AND FITNESS FOR PURPOSE. Sellers' and manufacturers' only obligation shall be to replace such quantity of the product proved to be defective. Before using user shall determine the suitability of the product for its intended use, and the user assumes all risks and liability whatsoever in connection therewith. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE EITHER IN TORT OR IN CONTRACT FOR ANY LOSS OR DAMAGE, DIRECT, INCIDENTAL, OR CONSEQUENTIAL, INCLUDING LOSS OF PROFITS OR REVENUE ARSING OUT OF THE USE OR THE INABILITY TO USE A PRODUCT. No statement, purchase order or recommendations by seller or purchaser not contained herein shall have any force or effect unless in an agreement signed by the officers of the seller and manufacturer. PDS_CP_10005F12.02 PDS GP 1000SF 12.08