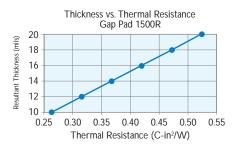
Features and Benefits

- Thermal conductivity: 1.5 W/m-K
- Fiberglass reinforced for puncture, shear and tear resistance
- Easy release construction
- Electrically isolating



Gap Pad 1500R has the same highly conformable, low-modulus polymer as the standard Gap Pad 1500. The fiberglass reinforcement allows for easy material handling and enhances puncture, shear and tear resistance. The natural tack on both sides of the material allows for good compliance to mating surfaces of components, fur ther reducing thermal resistance.

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



Thermally Conductive, Reinforced Gap Filling Material

TYPICAL PROPERTIES OF GAP PAD 1500R			
PROPERTY	IMPERIAL VALUE	METRIC VALUE	TEST METHOD
Color	Black	Black	Visual
Reinforcement Carrier	Fiberglass	Fiberglass	_
Thickness (inch) / (mm)	0.010 to 0.020	0.254 to 0.508	ASTM D374
Inherent Surface Tack (1- or 2-sided)	2	2	
Density (g/cc)	2.1	2.1	ASTM D792
Heat Capacity (J/g-K)	1.3	1.3	ASTM E1269
Hardness, Bulk Rubber (Shore 00) (1)	40	40	ASTM D2240
Young's Modulus (psi) / (kPa) (2)	45	310	ASTM D575
Continuous Use Temp (°F) / (°C)	-76 to 392	-60 to 200	_
ELECTRICAL			
Dielectric Breakdown Voltage (Vac)	>6000	>6000	ASTM D149
Dielectric Constant (1000 Hz)	6.0	6.0	ASTM D150
Volume Resistivity (Ohm-meter)	1011	1011	ASTM D257
Flame Rating	V-O	V-O	U.L. 94
THERMAL			
Thermal Conductivity (W/m-K)	1.5	1.5	ASTM D5470
1) Thirty second delay value Shore 00 hardness scale			

2) Young's Modulus, calculated using 001 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.

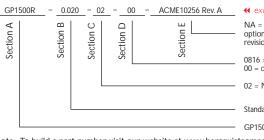
Typical Applications Include:

- Telecommunications
- Computer and peripherals
- Power conversion
- RDRAM[™] memory modules / chip scale packages
- Areas where heat needs to be transferred to a frame chassis or other type of heat spreader

Configurations Available:

• Sheet form, die-cut parts, and roll form (converted or unconverted)

Building a Part Number



Standard Options

(< example</p> NA = Selected standard option. If not selecting a standard option, insert company name, drawing number, and revision level. 0816 = Standard sheet size 8" x 16", or 00 = custom configuration 02 = Natural tack, both sides Standard thicknesses available: 0.010", 0.015", 0.020" GP1500R = Gap Pad 1500R Material

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

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



18930 West 78th Street Chanhassen, MN 55317 Phone: 800-347-4572

Fax: 952-835-0430

The Bergquist Company ers European Headquarters Bramenberg 9a, 3755 BT Eemnes Netherlands Phone: 31-35-5380684 Fax: 31-35-5380295

www.bergquistcompany.com

The Bergquist Company - Asia Room 15, 8/F Wah Wai Industrial Centre No. 38-40, Au Pui Wan Street Fotan, Shatin, N.T. Hong Kong Ph: 852.2690.9296 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 DAWAGE, 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_G__ISON_120.