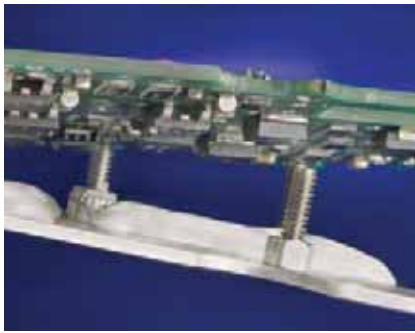


Gap Filler Gel 1500

The first in a new family of highly-conformable gels requiring no curing, mixing or refrigeration

Features and Benefits

- Highly conformable and requires no curing, mixing or refrigeration
- Excellent high and low temperature mechanical and chemical stability
- Storage stability of up to one year without filler settling issues
- Reworkable
- Good thermal performance: 1.4 W/mK
- Stress conforming through low modulus



Gap Filler Gel 1500 is the first member in Bergquist's new family of pre-cured gap filling materials. The product is a highly conformable gel which requires no curing, mixing or refrigeration. It's unique formulation assures excellent thermal conductivity, stress conformance through low modulus, excellent high and low temperature chemical storage and storage stability up to one year. Gap Filler Gel 1500 is ideal for thermal interface applications where highly variable gaps and tolerances exist in electronic components, where only minimal stress on components is permissible and rework may be required.

TYPICAL PROPERTIES OF GAP FILLER GEL 1500

PROPERTY	IMPERIAL VALUE	METRIC VALUE	TEST METHOD
Color	Gray	Gray	Visual
Shear Modulus (Pa) (1)	1000 - 10,000	1000 - 10,000	ASTM D4473
Viscosity (Pa-sec) (2)	200	200	ASTM D5099
Density (g/cc)	1.8	1.8	ASTM D792
Heat Capacity (J/g-K)	1.3	1.3	ASTM E1269
Continuous Use Temp (°F) / (°C)	-76 to 347	-60 to 175	-
Shelf Life at 25°C (months)	12	12	-
ELECTRICAL			
Dielectric Strength (V/mil)	250	250	ASTM D149
Dielectric Constant (1000 Hz)	6	6	ASTM D150
Volume Resistivity (Ohm-meter)	10 ¹¹	10 ¹¹	ASTM D257
Flame Rating	V-O	V-O	U.L. 94
THERMAL			
Thermal Conductivity (W/m-K)	1.4	1.4	ASTM D5470
1) Parallel plate rheometer at 1 Hz and 0.1% strain. 2) Capillary rheometer at 900 sec ⁻¹ .			

Typical Applications Include:

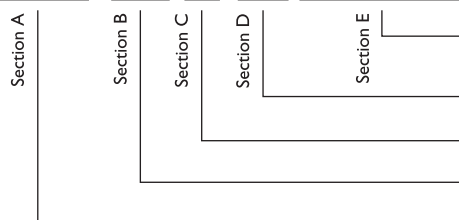
- Automotive electronics
- Computer and peripherals
- Between any heat-generating semiconductor and a heat sink
- Telecommunications
- Thermally conductive vibration dampening

Configurations Available:

- 30cc, 310cc and 600cc tubes
- 5-gallon containers
- 7 mil spacer beads

Building a Part Number

GFGel1500 - 00 - NA - 5G - NA



Standard Options

◀ example

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

Cartridges: 30cc = 30.0cc, 600cc = 600cc or 5G = 5 gallon

Pot Life: NA

00 = No spacer beads, 07 = 0.007" spacer beads

GFGel1500 = Gap Filler Gel 1500 Material

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

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