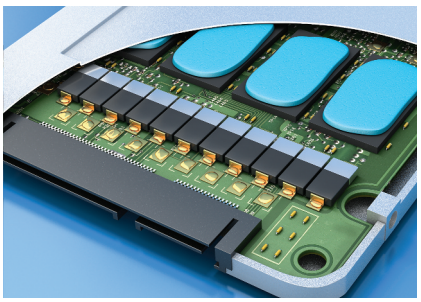
Gap Filler 4000 (Two-Part)

Thermally Conductive, Liquid Gap Filler Material

Features and Benefits

- Thermal Conductivity: 4.0 W/m-K
- Extended working time for manufacturing flexibility
- Ultra-conforming with excellent wet-out
- 100% solids - no cure by-products
- Excellent low and high temperature chemical and mechanical stability



Gap Filler 4000 is a two-part, high performance, thermally conductive, liquid gap filling material. The mixed material will cure at room temperature and can be accelerated with the addition of heat. Gap Filler 4000 offers an extended working time to allow greater flexibility in the customer's assembly process.

Liquid dispensed thermal materials offer infinite thickness variations and impart little to no stress on sensitive components during assembly. Gap Filler 4000 exhibits low level natural tack characteristics and is intended for use in applications where a strong structural bond is not required.

As cured, Gap Filler 4000 provides a soft, thermally conductive, form-in-place elastomer that is ideal for fragile assemblies or for filling unique and intricate air voids and gaps.

Typical Applications:

- Automotive electronics
- Computer and peripherals
- Between any heat-generating semiconductor and a heat sink
- Telecommunications

TYPICAL PROPERTIES OF GAP FILLER 4000

PROPERTY	IMPERIAL VALUE	METRIC VALUE	TEST METHOD
Color / Part A	Blue	Blue	Visual
Color / Part B	White	White	Visual
Viscosity, High Shear (Pa-s) (1)	50	50	ASTM D5099
Density (g/cc)	3.1	3.1	ASTM D792
Mix Ratio	1:1	1:1	—
Shelf Life @ 25°C (months)	5	5	—
PROPERTY AS CURED			
Color	Blue	Blue	Visual
Hardness (Shore 00) (2)	75	75	ASTM D2240
Heat Capacity (J/g-K)	0.8	0.8	ASTM D1269
Continuous Use Temp (°F) / (°C)	-76 to 392	-60 to 200	—
ELECTRICAL AS CURED			
Dielectric Strength (V/mil)	450	450	ASTM D149
Dielectric Constant (1000 Hz)	7.9	7.9	ASTM D150
Volume Resistivity (Ohm-meter)	10^{10}	10^{10}	ASTM D257
Flame Rating	V-O	V-O	U.L. 94
THERMAL AS CURED			
Thermal Conductivity (W/m-K)	4.0	4.0	ASTM D5470
CURE SCHEDULE			
Working Time @ 25°C (3)	240 min (4 hrs)	240 min (4 hrs)	-
Cure @ 25°C (hrs) (3)	24	24	-
Cure @ 100°C (min) (3)	30	30	-

1) Capillary Viscosity, 1500/sec, Part A and B measured separately.
2) Thirty second delay value Shore 00 hardness scale.
3) Parallel plate rheometer, see reactivity application note.

Configurations Available:

- Supplied in cartridge or kit form

Building a Part Number

GF4000 – 00 – 240 – 50cc – NA

- Section A: GF4000
- Section B: 00
- Section C: 240
- Section D: 50cc
- Section E: NA

Standard Options

example

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

Cartridges: 50cc = 50.0cc, 400cc = 400.0cc
Kits: 1200cc = 1200.0cc, or 6G = 6 gallon

Pot Life: 240 = 240 minutes

00 = No spacer beads
07 = 0.007" spacer beads
10 = 0.010" spacer beads

GF4000 = Gap Filler 4000 Material

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

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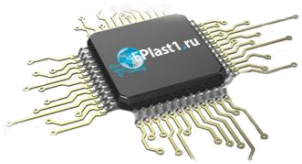
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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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