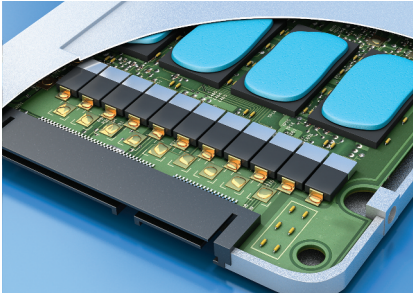


# Gap Filler 4000 (Two-Part)

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

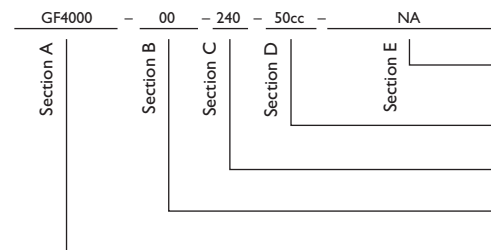
| PROPERTY                         | IMPERIAL VALUE   | METRIC VALUE     | TEST METHOD |
|----------------------------------|------------------|------------------|-------------|
| Color / Part A                   | Blue             | Blue             | Visual      |
| Color / Part B                   | 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 <sup>10</sup> | 10 <sup>10</sup> | 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



## 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](http://www.bergquistcompany.com).



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PDS\_GF4000\_0115

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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