

**Features and Benefits**

- Superior thermal performance
- 4.0 W/m-K thermal conductivity
- Easy to dispense
- Easy storage
- Ultra-conforming for fragile and low stress applications
- Ambient or accelerated cure schedules in elevated temperature



**Typical Applications**

- Automotive electronics
- PCBA to housing
- Discrete components to housing
- Fiber optic telecommunications equipment

**Appliances supplied**

- Dispensing Gun
- Static mixer

**Direction for Use**

- Install the twin barrel onto the gun, attach static mixer in front end,
- Squeeze the handle to press puncher for materials to come out from the nozzle.

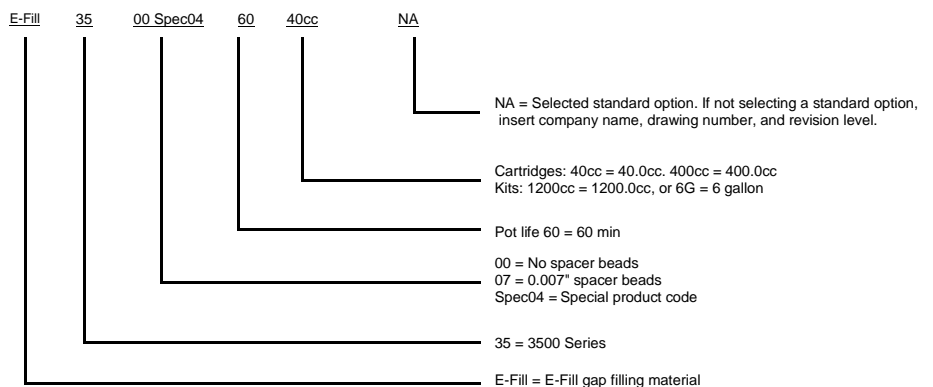
OP-3500 Spec04 offers excellent thermal performance and superior conformability. It is a two-component liquid gap filling material, cured at either room or elevated temperature to speed up the curing process. The pre-curing material possesses good thixotropic characteristics as well as low viscosity which is an ideal solution for dispensing. After cured, the mixture became a low modulus elastomer to relieve stresses during thermal cycling.

OP-3500 Spec04 will lightly adhere to surfaces, thus improving surface area contact. The proprietary formulation of OP-3500 Spec04 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

| PROPERTIES                      | OP-3500 Spec04                      | Test Method           |
|---------------------------------|-------------------------------------|-----------------------|
| Construction & Composition      | Soft silicone elastomer             | —                     |
| Color                           | Part A: White / Part B: Blue        | Visual                |
| Viscosity ( Spindle#7 @ 12 RPM) | Part A:395000 cP / Part B:415000 cP | ASTM D2196            |
| Density                         | 3.15 g/cm <sup>3</sup>              | —                     |
| Mix Ratio                       | 1:1                                 | —                     |
| Shelf Life @ 25 °C              | 6 months                            | —                     |
| PROPERTIES AS CURED             |                                     |                       |
| Color                           | Blue                                | Visual                |
| Hardness                        | 65 Shore 00                         | ASTM D2240            |
| Continuous Use Temp             | -60 to 200 °C                       | —                     |
| Thermal Conductivity            | 4.0 W/m-K                           | ASTM D5470 (modified) |
| Dielectric Strength             | 200 V/mil                           | ASTM D149             |
| Dielectric Constant @ 1MHz      | 12.4                                | ASTM D150             |
| Volume Resistivity              | 10 <sup>13</sup> ohm.cm             | ASTM D257             |
| Flame Rating                    | U.L.94 V-O                          | —                     |
| CURE SCHEDULE                   |                                     |                       |
| Pot Life @ 25 °C                | 30 min                              | —                     |
| Cure @ 25 °C                    | 3 hours                             | —                     |
| Cure @ 100 °C                   | 10 min                              | —                     |

Please contact us for other special requirements

**Product Code and Descriptions**



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