

**Features and Benefits**

- Superior thermal performance
- 3.0 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.

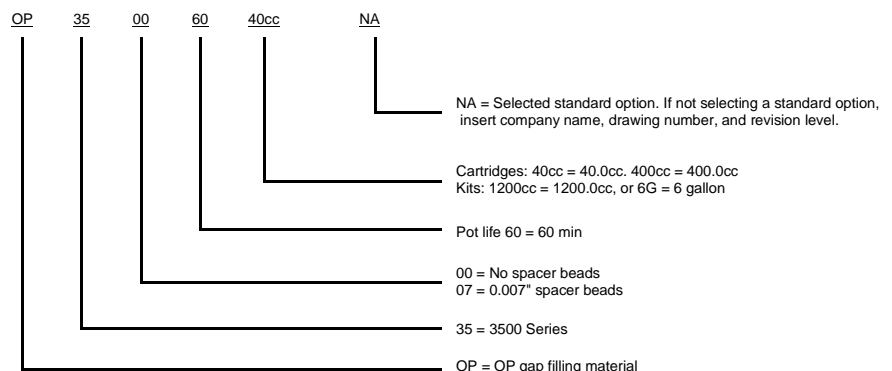
OP-3500 offers excellent thermal performance and superior conformability. It is a two-component liquid gap filling material, cured at either room or elevated temperature to speed up the curing process. The pre-curing material possesses good thixotropic characteristics as well as low viscosity which is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

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

PROPERTIES	OP-3500	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Part A: White / Part B: Blue	Visual
Viscosity ( Spindle#6 @ 12 RPM)	Part A: 78000cP / Part B: 87000cP	ASTM D2196
Density	3.0 g/cm <sup>3</sup>	—
Mix Ratio	1:1	—
Shelf Life @ 25°C	6 months	—
PROPERTIES AS CURED		
Color	Blue	Visual
Hardness	55 Shore 00	ASTM D2240
Continuous Use Temp	-60 to 200 °C	—
Thermal Conductivity	3.0 W/m-K	ASTM D5470 (modified)
Dielectric Strength	250 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	60 min	—
Cure @ 25°C	10 hours	—
Cure @ 80°C	10 min	—

Please contact us for other special requirements

**Product Code and Descriptions**



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