

Features and Benefits

- Superior thermal performance
- 3.0 W/m-K thermal conductivity
- Good EMI suppression
- 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

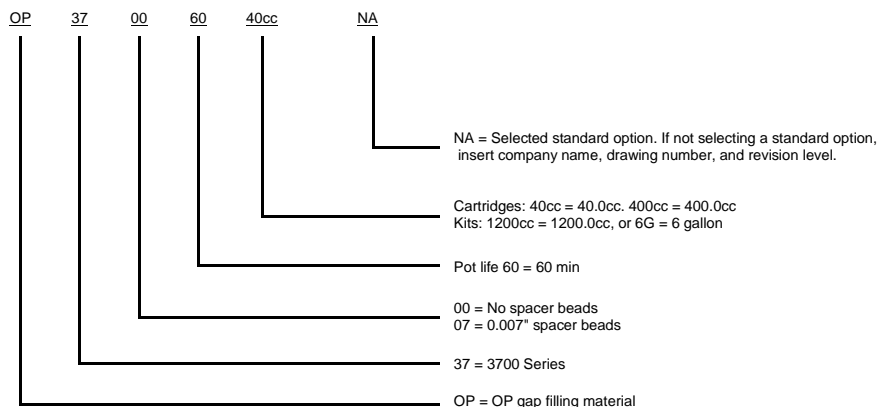
- Install the twin barrel onto the gun, attach static mixer in front end.
- Squeeze the handle to press puncher for materials to come out from the nozzle.

OP-3700 offers hybrid absorber/thermal management material that is used for EMI mitigation. It is a two-component liquid gap filling material, cured at either room or elevated temperature to speed up the curing process. Filler particle composition imparts both excellent thermal conductivity and good EMI suppression in the microwave frequency.

OP-3700 will lightly adhere to surfaces, thus improving surface area contact. The proprietary formulation of OP-3700 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

PROPERTIES	OP-3700	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Part A: Grey / Part B: Grey	Visual
Viscosity (Spindle#7 @ 5 RPM)	Part A: 1185000cP Part B: 1215000cP	ASTM D2196
Density	3.9 g/cm ³	—
Mix Ratio	1:1	—
Shelf Life @ 25°C	6 months	—
PROPERTIES AS CURED		
Color	Grey	Visual
Hardness	55 Shore 00	ASTM D2240
Continuous Use Temp	-40 to 175 °C	—
Thermal Conductivity	3.0 W/m-K	ASTM D5470 (modified)
EMI Attenuation @ 10 GHz	28 dB/cm	—
Volume Resistivity	1.8 x 10 ¹² 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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