

Features and Benefits

- thermally conductive silicone sealant with 0.85 W.m⁻¹.K⁻¹
- 1:1 mix ratio
- Resists against water, heat, aging and electricity
- RoHS compliant

**Typical Applications**

- potting in electronics industry
- protection for indoor or outdoor equipments, including connectors and electrical components

OP-3300 Spec03 is a RoHS compliant two-part thermally conductive silicone sealant with a convenient 1:1 by weight mix ratio, and provides ease of use. OP-3300 Spec03 also forms tight environmental seal, and provides high resistivity against water, heat, aging and electricity after curing.

OP-3300 Spec03 is easy to mix and apply. The applications include potting in electronics industry, protection for indoor or outdoor equipments.

The proprietary formulation of OP-3300 Spec03 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties before Curing	Typical Data	Test Method
Appearance	Dark grey Liquid (Part A) White Liquid (Part B) Can tune any colour for customer	Visual
Viscosities	4000 (Part A) 6000 (Part B)	Brookfield HADVI+ Viscometer (Spindle #4 @ 30 RPM)
Density	1.58 g/cm ³	-
Handling Properties	Typical Data	Test Method
Mix Ratio (Constituent A to Constituent B)	1:1 (Weight Ratio)	N/A
Working Life at Room Temperature (25°C)	60 min	-
Time of Curing at Room Temperature (25°C)	4 hr	-
Time of Curing at 80°C	15 min	-
Post-curing Properties	Typical Data	Test Method
Hardness	70 Shore 00	ASTM D 2240
Density	1.58 g.cm ⁻³	-
Temperature Range /°C	-40°C~200°C	-
Thermal Conductivity	0.85 W.m ⁻¹ .K ⁻¹	ASTM D 5470 (Modified)
Dielectric Strength	>18 kV/mm	ASTM D 149
Volume Resistivity	>1.0X10 ¹⁴ Ω.cm	ASTM D 257
UL Flammability Rating	UL-94V0	UL-94
Shelf life (25°C)	18 months	-

SEM (North America) Inc.

Tel: +1 585-643-2000
 Fax: +1 585-427-7216
 Address: 1600 Lexington Ave., Suite 236A
 Rochester, NY 14606, USA

SEM Belgium bvba

+32 59 560 270
 +32 59 560 271
 Slijpesteeweg 28,
 8432 Middelkerke (Leffinge), Belgium

SEM (Far East) Ltd.

+852 2686 9872
 +852 2686 9728
 Unit 3, 3/F, Blk A, New Trade Plaza,
 No. 6 On Ping St., Shatin, N.T., Hong Kong.

SEM (Dongguan) Ltd.

+86-769-8356 5686
 +86-769-8334 2028
 No.8 Qiaoxin Rd., Qiaotou Dongguan,
 Guangdong, China, 523525.