



Features and Benefits

- thermally conductive silicone sealant with $1.0 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$
- 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 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 also forms tight environmental seal, and provides high resistivity against water, heat, aging and electricity after curing. It 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 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties before Curing	Typical Data	Test Method
Appearance	White or Black Liquid (Part A) Grey Liquid (Part B) Can tune any colour for customer	Visual
Viscosity (mPa.s)	7500 (Part A) 7500 (Part B)	Brookfield HADVI+ Viscometer (Spindle #4 @ 12 RPM)
Density	1.82 g/cm ³	—
Handling Properties	Typical Data	Test Method
Mix Ratio (Constituent A to Constituent B)	1:1 (Weight Ratio)	—
Working Life at Room Temperature (25°C)	120 min	—
Time of Curing at Room Temperature (25°C)	8 hr	—
Time of Curing at 80°C	15 min	—
Post-curing Properties	Typical Data	Test Method
Hardness	75 Shore 00	ASTM D2240
Density	1.82 g.cm ⁻³	—
Temperature Range °C	-40°C~200°C	—
Thermal Conductivity	1.0 W.m ⁻¹ .K ⁻¹	ASTM D5470 (Modified)
Dielectric Strength	> 18 kV/mm	ASTM D149
Volume Resistivity	≥ 1.0X10 ¹³ Ω.cm	ASTM D257
UL Flammability Rating	UL-94 V0	E109346
Shelf life (25°C)	18 months	—

SEM (North America) Inc.

Tel: +1 585-643-2000
 Fax: +1 585-427-7216
 Address: 1555 Jefferson Road,
 Rochester, NY 14623

SEM Belgium bv

+32 59 560 270
 Schatting 73,
 8210 Zedelgem, Belgium

SEM Asia Ltd.

+852 2686 8168
 +852 2686 8268
 Unit 1, 3/F Block A, New Trade Plaza,
 6 On Ping Street, Shatin, N.T., Hong Kong

SEM (Dongguan) Ltd.

+86-769-8334 1628
 +86-769-8334 2028
 No. 8A Qiaoxin Road, Qiaotou,
 Dongguan, Guangdong, China
 Postal code 523525