

Features and Benefits

- thermally conductive silicone sealant with 1.5 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 Spec01 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 Spec01 also forms tight environmental seal, and provides high resistivity against water, heat, aging and electricity after curing.

OP-3300 Spec01 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 Spec01 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
Viscosities (mPa.s)	22000 (Part A) 22000 (Part B)	Brookfield HADVI+ Viscometer (Spindle #4 @ 12 RPM)
Density	1.95 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)	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 D 2240
Density	1.95 g.cm ⁻³	-
Temperature Range /°C	-40°C~200°C	-
Thermal Conductivity	1.5 W.m ⁻¹ .K ⁻¹	ASTM D 5470 (Modified)
Dielectric Strength	>18 kV/mm	ASTM D 149
Volume Resistivity	>1.0X10 ¹³ Ω.cm	ASTM D 257
UL Flammability Rating	UL-94V0	UL-94
Shelf life (25°C)	18 months	-

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