

2-PART THERMALLY CONDUCTIVE SILICONE SEALANT

Features and Benefits

- thermally conductive silicone sealant with 2.0 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

E-Fill3300 Spec 02 is a RoHS compliant two-part thermally conductive silicone sealant with a convenient 1:1 by weight mix ratio, and provides ease of use. E-Fill3300 Spec 02 also forms tight environmental seal, and provides high resistivity against water, heat, aging and electricity after curing.

E-Fill3300 Spec 02 is easy to mix and apply. The applications include potting in electronics industry, protection for indoor or outdoor equipments.

The proprietary formulation of E-Fill3300 Spec 02 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties before Curing	Typical Data	Test Method
Appearance	Grey Liquid (Part A) White or Black Liquid (Part B) Can tune any colour for customer	Visual
Viscosities	25000cP (Part A) 25000cP (Part B)	Brookfield HADVI+ Viscometer (Spindle #4 @ 12 RPM)
Density	2.56 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	2.56 g.cm ⁻³	-
Temperature Range /°C	-40°C~200°C	-
Thermal Conductivity	2.0 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	Meet With UL-94V0	UL-94
Shelf life (25°C)	18 months	-

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产品特点

- 导热灌封硅胶导热率 2.0 W.m⁻¹.K⁻¹
- 混合比例 1:1
- 防水、防高温、防老化以及防电击的效果
- 符合 RoHS



一般应用

- 电子行业的灌封
- 保护室内外的仪器，包括连接器及电器组件

E-Fill3300 Spec 02是符合RoHS规格的双组份导热灌封硅胶，调配重量比为1：1，易于混调和使用。E-Fill3300 Spec 02在固化后能提供与外围周边环境隔绝的紧密灌封、防水、防高温、防老化以及防电击的效果。

E-Fill3300 Spec 02 易于混合和应用。应用范围包括电子行业的灌封，保护室内外的仪器，包括连接器及电器组件。

E-Fill3300 Spec 02 独有的配方不单指符合 RoHS 规格而且更达到无卤素要求，令客户在使用时对于有害物质的控制更有信心。

固化前特性	一般数据	测试方法
外观	灰色流体 (A 组份) 白色或黑色流体 (B 组份) 可为客户调制其他颜色	目检
黏度	25000cP (A 组份) 25000cP (B 组份)	Brookfield HADVI+ 粘度计 (4 号转子 @ 12 RPM 转速)
密度	2.56 g/cm ³	-
混调处理时的特性	一般数据	测试方法
组份 A 与组份 B 的混调比例	1:1 (按重量比例)	N/A
室温 (25°C) 操作寿命	120 分钟	-
室温 (25°C) 固化时间	8 小时	-
80°C 固化时间	15 分钟	-
固化后特性	一般数据	测试方法
硬度	75 Shore 00	ASTM D 2240
密度	2.56 g.cm ⁻³	-
使用温度	-40°C~200°C	-
导热率	2.0 W.m ⁻¹ .K ⁻¹	ASTM D 5470 (Modified)
绝缘强度	>18 kV/mm	ASTM D 149
体积电阻率	>1.0X10 ¹³ Ω.cm	ASTM D 257
UL 防火评级	符合 UL-94V0	UL-94
保质期 (25°C)	18 个月	-

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