

E-Fill 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. E-Fill 3300 Spec03 also forms tight environmental seal, and provides high resistivity against water, heat, aging and electricity after curing.

Features & Benefits

E-Fill3300 Spec03 forms tight environmental seal, and provides high resistivity against water, heat, aging and electricity
Easy to mix and apply

Applications

Potting in Electronics Industry
Protection for indoor or outdoor equipment, including connectors and electrical components



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	Part A: 4000 cP Part B: 6000 cP	Brookfield HADVI+Viscometer (Spindle #4 @ 30 RPM)
Handling Properties	Typical Data	Test Method
Mix Ratio (Constituent A to Constituent B)	1:1 (Weight Ratio)	-
Working Life at Room Temperature (25°C)	60 Minutes	-
Time of Curing at Room Temperature (25°C)	4hr	-
Time of Curing at 80°C	15 Minutes	-
Post-curing Properties	Typical Data	Test Method
Hardness	70 Shore 00	ASTM D2240
Density	1.58 g.cm ⁻³	-
Thermal Conductivity	0.85 W.m ⁻¹ .K ⁻¹	ASTM D5470 (Modified)
Dielectric Strength	>18 kV/mm	ASTM D149
Volume Resistivity	>1.0X10 ¹⁴ Ω.cm	ASTM D257
UL Flammability Rating	Meet with UL-94V0	UL-94
Shelf life(25°C)	18 months	-

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E-Fill 3300 Spec03 是符合 RoHS 规格之双组份导热灌封硅胶，调配重量比例为1：1，以及使用容易；此外，E-Fill 3300 Spec03 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。

特性与产品优点

E-Fill 3300 Spec03 形成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；易于混调和使用



用途

用于电子行业的灌封材料
保护室内外的仪器，包括连接器及电器组件

固化前特性	一般数据	测试方法
外观	深灰色流体 (A 组份) 白色流体 (B 组份) 可为客户调制其他颜色	目检
黏度	A 组份: 4000 cP; B 组份: 6000 cP	Brookfield HADVI+ 粘度计 (4 号转子 @ 30 RPM 转速)
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)	-
室温 (25°C) 操作寿命	60 分钟	-
室温 (25°C) 固化时间	4 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	70 Shore 00	ASTM D2240
密度	1.58 g.cm ⁻³	-
导热系数	0.85 W.m ⁻¹ .K ⁻¹	ASTM D5470 (改进版)
绝缘强度	>18 kV/mm	ASTM D149
体积电阻	>1.0X10 ¹⁴ Ω.cm	ASTM D257
UL 防火评级	符合 UL-94V0	UL-94
保质期(25°C)	18个月	-

香港

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