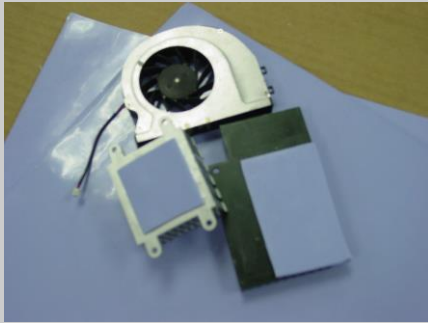


Features and Benefits

- 1.8W/m-K thermal conductivity
- Electrically isolating
- RoHS compliant
- Halogen-free



Typical Applications

- Notebook and desktop computers
- Memory modules
- Heat pipe assemblies
- HDDs and DVDs
- Flat-panel displays
- Telecommunication hardware

Optional Configurations

- Can be die-cut into specific dimensions

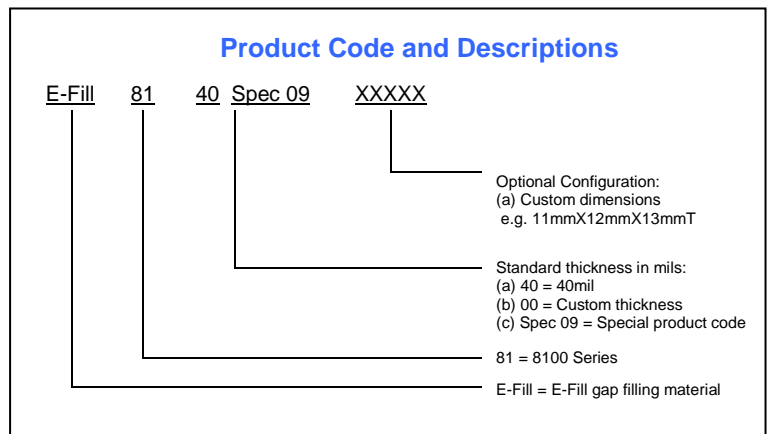
E-Fill 8100 Spec 09 is exceptionally soft and exhibits good thermal performance. It is compliant to RoHS standard while maintaining its halogen-free status. These special features are benefited from the proprietary composition of metal oxide fillers in its binder matrix.

It is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

Properties	E-Fill 8100 Spec 09	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Blue	Visual
Thickness Range /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm ⁻³	2.2	—
Hardness /Shore 00	50	ASTM D2240
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	1.8	ASTM D5470 (modified)
Breakdown Voltage /V	>5000	ASTM D149
Shelf Life	24 months	—

Please contact us for other special requirements

Carrier Treatment	Criteria
Fiber Glass (FG)	Compulsory for ≤ 0.03" (0.75mm)
Rubberized Cloth (RC)	Not Recommended
Pressure Sensitive Adhesive (PSA)	Optional to all thickness
Detachable Adhesive (DA)	Optional to ≥ 0.039" (1.0mm)
Aluminum Foil (AL)	Optional to ≥ 0.039" (1.0mm)
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Optional to all thickness



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产品特点

- 导热率 1.8W/m-K
- 电绝缘
- 符合 RoHS 规格
- 无卤素



一般应用

- 桌上型电脑及笔记本
- 内存模组
- 热管组件
- HDDs 和 DVDs
- 平板显示器
- 通信用硬件

其他配置

- 可模切成特定尺寸

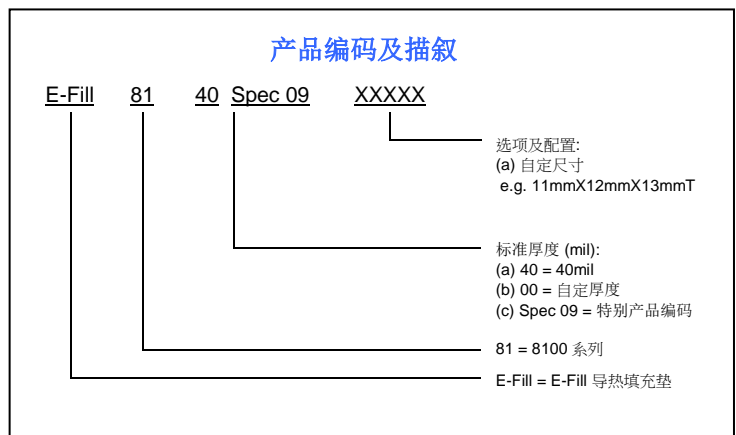
E-Fill 8100 Spec 09 是一种十分柔软而且拥有高导热效能的导热填充垫。独有的金属氧化填充物料及粘合剂配方不单指符合 RoHS 规格更达到无卤素要求，令客户在使用时对于有害物质的控制更有信心。

Fill 8100 Spec 09 具有电绝缘及天然粘性等特点，在正常情况下不需要增加额外的胶粘剂。

特性	E-Fill 8100 Spec 09	测试方法
结构及主要成分	硅树脂弹性体	—
颜色	蓝色	目测
厚度 /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
标准片材尺寸	12" x 16"	—
密度 /g.cm ⁻³	2.2	—
硬度 /Shore 00	50	ASTM D2240
UL 燃烧等级	UL94 V0	—
使用温度 /°C	-40~200°C	—
导热率 W.m ⁻¹ .K ⁻¹	1.8	ASTM D5470 (modified)
击穿电压/V	>5000	ASTM D149
有效期	24 months	—

如对产品有特殊要求，请联络我们

载体	标准
玻璃纤维 (FG)	厚度 ≤0.03" (0.75mm) 必须使用
胶布 (RC)	不建议使用
压敏胶 (PSA)	可供任何厚度使用
不粘胶 (DA)	可供厚度 ≥0.039" (1.0mm) 使用
铝箔 (AL)	可供厚度 ≥0.039" (1.0mm) 使用
聚酰亚胺膜 (PI)	不建议使用
滑石粉处理 (DAT)	可供任何厚度使用



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