

THERMAL CONDUCTIVE GAP FILLER 1.8W/m-K

Features and Benefits

- 1.8W/m-K thermal conductivity
- Exceptional compressibility
- Cost effective
- Naturally tacky
- Electrically isolating



Typical Applications

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

Optional Configurations

- Fibreglass reinforcements are recommended for $\leq 0.03''$
- Adhesive coatings are optional
- Rubber-coated carrier is optional
- Can be die-cut into specific dimensions

E-Fill 8300 Spec 03 is a ceramic filled silicone elastomer. It is exceptionally soft and is suitable for applications that require moderate thermal performance.

E-Fill 8300 Spec 03 is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

Properties	E-Fill 8300 Spec 03	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Sky 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	1.8	—
Hardness /Shore00	20	ASTM D2240
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~200	—
Thermal Conductivity /W.m ⁻¹ .K ⁻¹	1.8	ASTM D5470 (modified)
Breakdown Voltage /V	>5000	ASTM D149
Shelf Life /Months	24	—
Please contact us for other special requirements		

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

Product Code and Descriptions

E-Fill 83 XX Spec 03 -XX -XX -XX -XX

Dimensions
SS = Standard sheet size

Release Liner
ST = Standard
OT = Other

PSA
A1 = One side
A2 = Both sides
OT = Other

Carrier
FG = Fiberglass
RC = Rubberized Cloth
CB = Combination
OT = Other

Spec 03 = Special Derivative #

Thickness (mil)
00 = Custom thickness
40 = 40mil

83 = 8300 Series
E-Fill = E-Fill gap filling material

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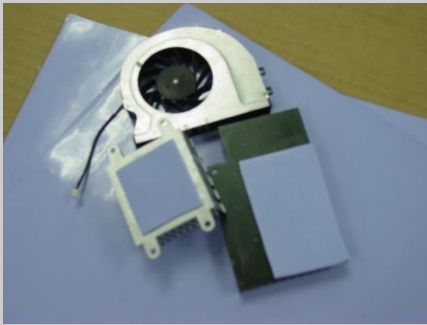
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产品特点

- 导热率 1.8W/m-K
- 高压缩比
- 低成本
- 具有天然粘性
- 电绝缘



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

- 产品厚度 ≤ 0.03", 建议使用玻璃纤维强化
- 可选择胶粘剂涂层
- 可选择导热绝缘布强化
- 可模切成特定尺寸

E-Fill 8300 Spec 03 是一种使用陶瓷填充物料的硅树脂弹性体。E-Fill 8300 Spec 03 十分柔软，适合低压力应用。

Fill 8300 Spec 03 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。

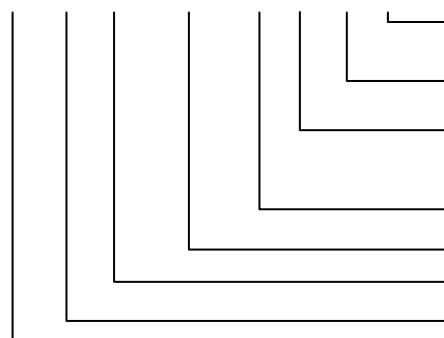
一般特性	E-Fill 8300 Spec 03	测试方法
结构及主要成分	硅树脂弹性体	—
颜色	天蓝色	目测
厚度 /inch (mm)	0.01"~0.40" (0.254~10.16) 以 0.01" (0.254)为基本增量单位	—
标准片材尺寸	12" x 16"	—
密度 /g.cm ⁻³	1.8	—
硬度 /Shore 00	20	ASTM D2240
UL 燃烧等级	UL94 V0	—
使用温度 /°C	-40~200	—
导热率 /W.m ⁻¹ .K ⁻¹	1.8	ASTM D5470 (modified)
击穿电压/V	>5000	ASTM D149
有效期/Months	24	—

如对产品有特殊要求，请联系我们

载体	标准
玻璃纤维 (FG)	厚度 ≤ 0.03" (0.75mm) 必须使用
胶布 (RC)	可供任何厚度使用
压敏胶 (PSA)	不建议使用
不粘胶 (DA)	可供厚度 ≥ 0.039" (1.0mm)使用
铝箔 (AL)	不建议使用
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

产品编码及描述

E-Fill 83 XX Spec 03 XX XX XX XX



- 尺寸
- SS = 标准尺寸
- CD = 定制尺寸
- 高型膜
- ST = 标准
- OT = 其他
- 压敏胶
- A1 = 单面
- A2 = 双面
- OT = 其他
- 载体
- FG = 玻璃纤维
- RC = 胶布
- CB = 组合
- OT = 其他
- Spec 03 = 特别产品编码
- Thickness (mil)
- 00 = 定制厚度
- 40 = 40mil
- 83 = 8300 系列
- E-Fill = E-Fill 导热填充垫

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东莞

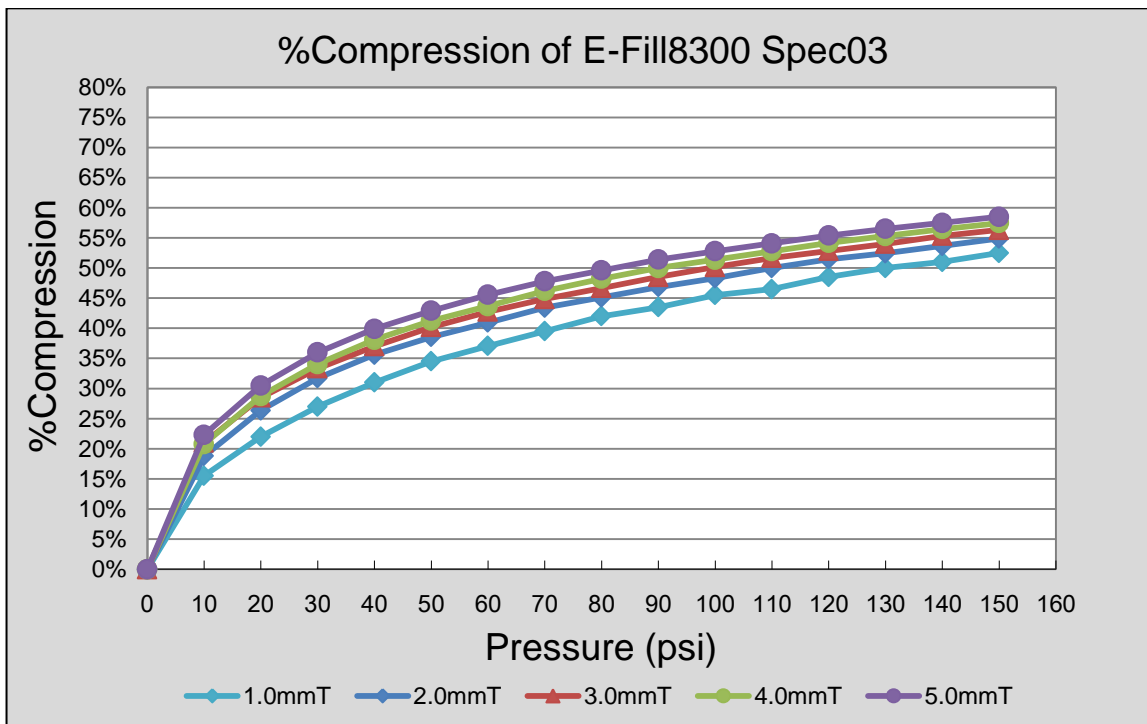
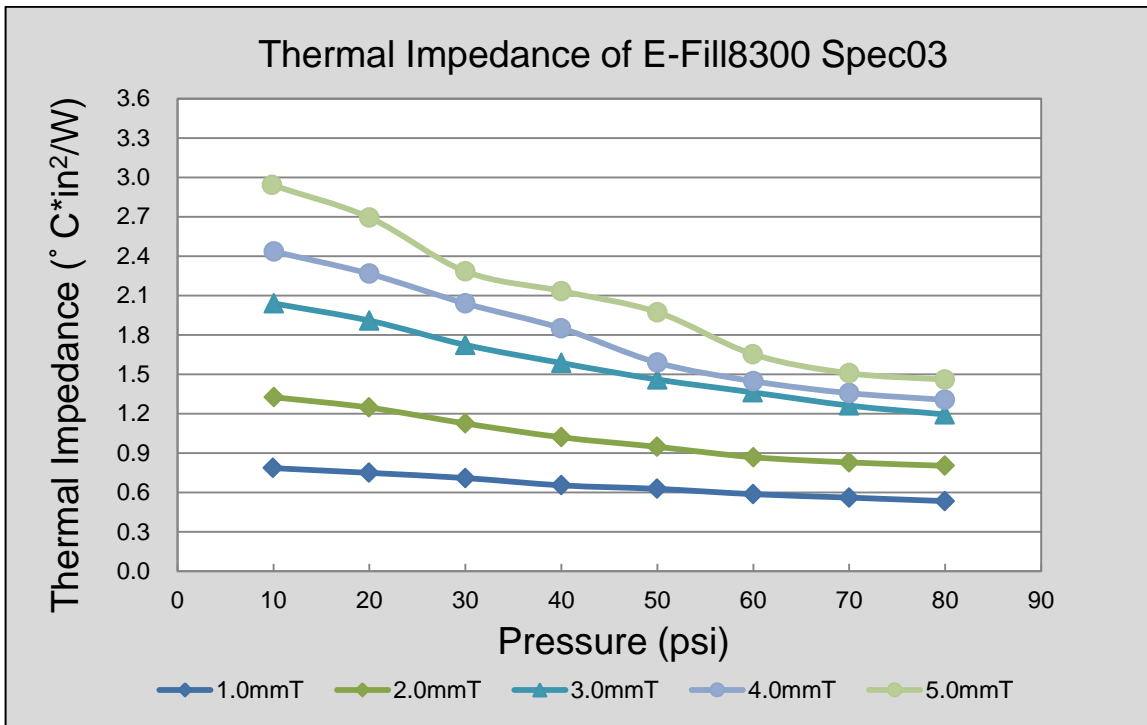
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