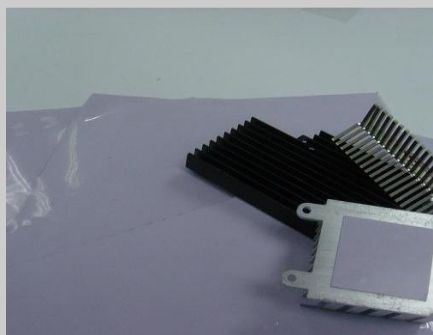


High THERMAL CONDUCTIVE GAP FILLER 4.0W/m-K

Features and Benefits

- Superior thermal performance
- 4.0W/m-K thermal conductivity
- Electrically isolating
- RoHS compliant
- Halogen-free



Typical Applications

- Notebook Computers
- Handheld Portable Electronics
- Micro Heat Pipe assemblies
- Micro Processors, Memory Chips and Graphic Processors
- Motor Control
- Wireless Communication Hardware

Optional Configurations

- Can be die-cut into other dimensions

E-Fill 8500 Spec04 offers good thermal performance and conformability. This material conforms to surface irregularities under low application pressures. It is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

The proprietary formulation of E-Fill 8500 Spec04 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

| Properties | E-Fill 8500 Spec04 | Test Method |
|----------------------------------------------------------|-------------------------------------------------------------|-----------------------|
| Construction & Composition | Soft silicone elastomer | — |
| Color | Violet | Visual |
| Thickness Range /inch (mm) | 0.02"~0.40" (0.508~10.16) in 0.01" (0.254) increments | — |
| Standard Sheet Size | 12" x 16" | — |
| Density /g.cm ⁻³ | 3.3 | — |
| Hardness /Shore 00 | 45 | ASTM D2240 |
| Tensile Strength /psi | 34 | ASTM D412 |
| UL Flammability Rating | UL94 V0 | — |
| Temperature Range /°C | -40°C ~200°C | — |
| Thermal Conductivity /W.m ⁻¹ .K ⁻¹ | 4.0 | ASTM D5470 (modified) |
| Breakdown Voltage /V | >4000 (Thickness = 0.02~0.04") >6000 (Thickness ≥ 0.04") | ASTM D149 |
| Volume Resistivity /ohm.cm | 8.0 x 10 ¹³ | ASTM D257 |
| Dielectric Constant @ 1MHz | 12.8 | ASTM D150 |
| Shelf Life | 24 months | — |
| Please contact us for other special requirements | | |

| Carrier Treatment | Criteria |
|-----------------------------------|-----------------|
| Fiber Glass (FG) | Not Recommended |
| Rubberized Cloth (RC) | Not Recommended |
| Pressure Sensitive Adhesive (PSA) | Not Recommended |
| Detachable Adhesive (DA) | Not Recommended |
| Aluminum Foil (AL) | Not Recommended |
| Kapton (PI) | Not Recommended |
| Talc treatment (DAT) | Not Recommended |

Product Code and Descriptions

E-Fill 85 XX Spec 04 -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
CB = Combination
OT = Other

Spec 04 = Special Derivative #

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

85 = 8500 Series

E-Fill = E-Fill gap filling Material

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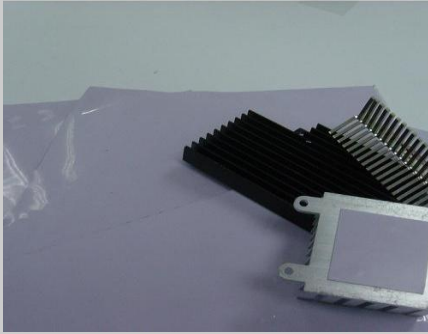
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Taiwan
(886) 2-2793 9055
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产品特点

- 出众的导热性能
- 导热率 4.0W/m-K
- 电绝缘
- 符合 RoHS 规格
- 无卤素



一般应用

- 电子笔记本
- 手提电子器材
- 微热管组件
- 微处理器，内存芯片，图形处理器
- 底盘，框架或其他散热组件
- 电机控制器
- 通信用硬件

其他配置

- 可模切成特定尺寸

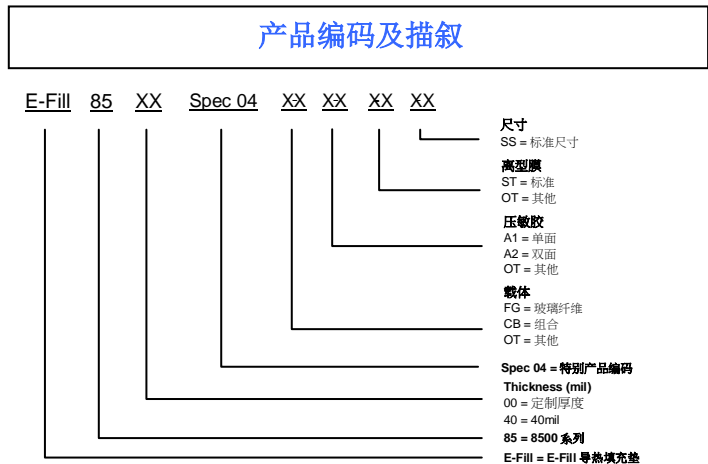
E-Fill 8500 Spec04 是一种拥有良好表面吻合度和高导热效能的导热填充垫，这款导热填充垫能够在低应用压力的情况下保持不规则表面间的良好接触。E-Fill 8500 Spec04 具有电绝缘及天然粘性等特点，在正常情况下不需要增加额外的胶粘剂

独有的产品配方不单指符合 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。

| 一般特性 | E-Fill 8500 Spec04 | 测试方法 |
|----------------------------------------|-----------------------------------------------------|-----------------------|
| 结构及主要成分 | 硅树脂弹性体 | — |
| 颜色 | 紫色 | 目测 |
| 厚度 /inch (mm) | 0.02"~0.40" (0.508~10.16) 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 | 3.3 | — |
| 硬度 /Shore 00 | 45 | ASTM D2240 |
| 拉伸强度 /psi | 34 | ASTM D412 |
| UL 燃烧等级 | UL94 V0 | — |
| 使用温度 /°C | -40°C~200°C | — |
| 导热率 W.m ⁻¹ .K ⁻¹ | 4.0 | ASTM D5470 (modified) |
| 击穿电压/V | >4000 (厚度 = 0.02~0.04") >6000 (厚度 ≥ 0.04") | ASTM D149 |
| 体积电阻率 /ohm.cm | 8.0 x 10 ¹³ | ASTM D257 |
| 介电常数@ 1MHz | 12.8 | ASTM D150 |
| 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) | 不建议使用 |
| 胶布 (RC) | 不建议使用 |
| 压敏胶 (PSA) | 不建议使用 |
| 不粘胶 (DA) | 不建议使用 |
| 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) | 不建议使用 |



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东莞

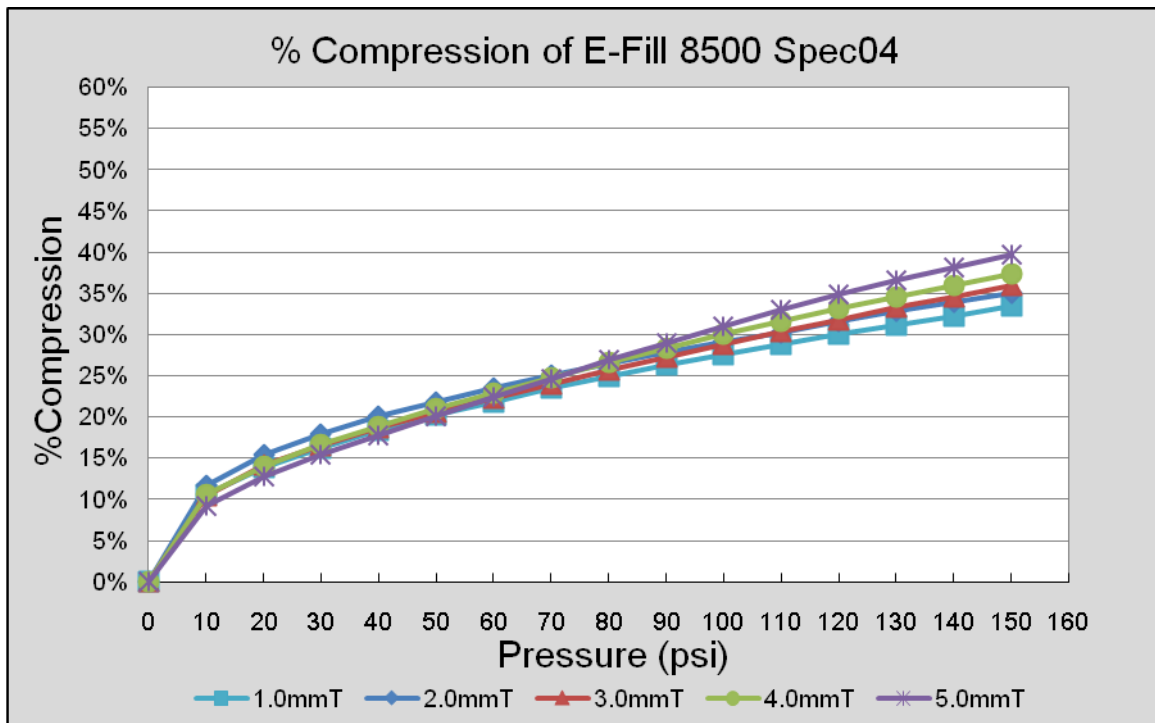
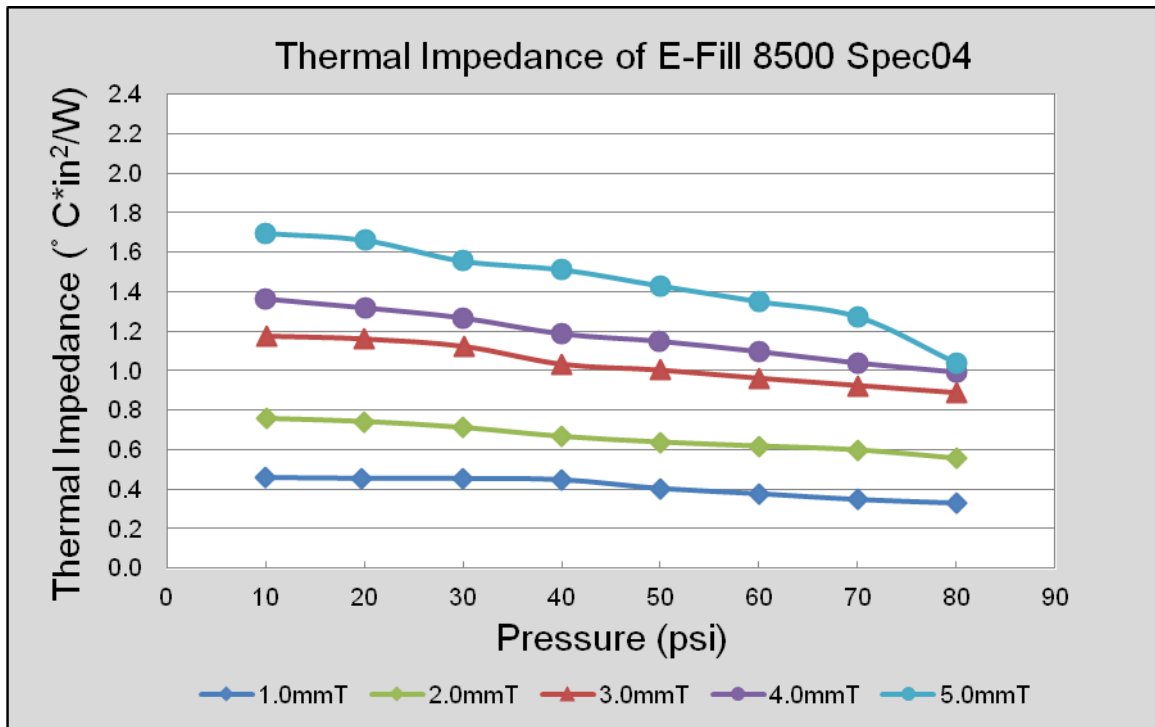
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|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|