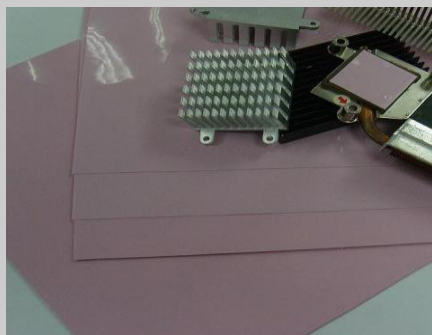


## THERMAL CONDUCTIVE GAP FILLER 2.0W/m-K

### Features and Benefits

- 2.0W/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 8400 Spec 06 is a performance-improved derivative of the original E-Fill 8400 gap pad. While retaining its thermal performance, the oil bleeding rate has been drastically reduced. This special feature is benefited from a revised filler and binder matrix.

E-Fill 8400 Spec 06 is electrically non-conductive and conforms to UL94 V0 standard.

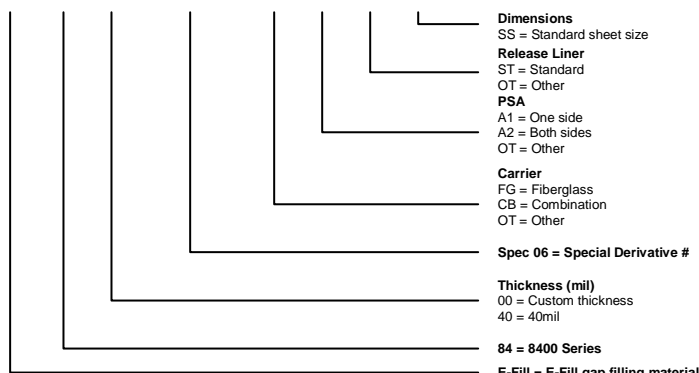
Properties	Typical Data	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Pink	Visual
Thickness Range /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm <sup>-3</sup>	2.2	—
Hardness /Shore 00	40	ASTM D2240
UL Flammability Rating	UL94 V0	E310786
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	2.0	ASTM D5470 (modified)
Breakdown Voltage /V	>5000 (Thickness ≤ 0.03") >6000 (Thickness = 0.04~0.05") >10000 (Thickness ≥ 0.06")	ASTM D149
Volume Resistivity /ohm.cm	7.5 x 10 <sup>13</sup>	ASTM D257
Dielectric Constant @ 1MHz	6.2	ASTM D150
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

### Product Code and Descriptions

E-Fill 84 XX Spec 06 XX XX XX XX



#### Hong Kong

Tel: (852) 2686 8168  
Fax: (852) 2686 8268  
E-mail: emeihk@emeigroup.com

#### Dongguan

(86) 769-8334 1628/3400  
(86) 769-8334 2028/5656  
emeidg@emeigroup.com

#### Shanghai

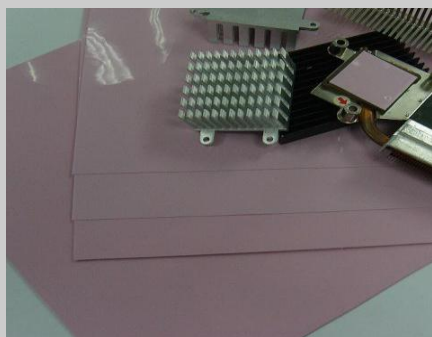
(86) 21-5868 3381/3382  
(86) 21-5868 3386  
emeish@emeigroup.com

#### Taiwan

(886) 2-2793 9055  
(886) 2-2793 9501  
emeitw@emeigroup.com

**产品特点**

- 导热率 2.0W/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 8400 Spec 06 是基于 E-Fill 8400 改良而成的。在保持的人性能的大前提下，新的填充物料及胶粘剂配方能够大幅地降低 E-Fill 8400 Spec 06 的出油率。

E-Fill 8400 Spec 06 是电绝缘体而且达到 UL94V0 防火要求。

特性	一般数据	测试方法
结构及主要成分	硅树脂弹性体	—
颜色	粉红色	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 <sup>-3</sup>	2.2	—
硬度 /Shore 00	40	ASTM D2240
UL 燃烧等级	UL94 V0	E310786
使用温度 /°C	-40~200°C	—
导热率 W.m <sup>-1</sup> .K <sup>-1</sup>	2.0	ASTM D5470 (modified)
击穿电压/V	>5000 (厚度 ≤ 0.03") >6000 (厚度 = 0.04~0.05") >10000 (厚度 ≥ 0.06")	ASTM D149
体积电阻率 /ohm.cm	7.5 x 10 <sup>13</sup>	ASTM D257
介电常数@ 1MHz	6.2	ASTM D150
有效期	24 months	—
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)	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

**产品编码及描述**

E-Fill 84 XX Spec 06 XX XX XX XX

**尺寸**  
SS = 标准尺寸

**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  
CB = 组合  
OT = 其他

**Spec 06= 特别产品编码**  
**Thickness (mil)**  
00 = 定制厚度  
40 = 40mil  
84 = 8400 系列  
E-Fill = E-Fill 导热填充垫

**香港**

Tel: (852) 2686 8168  
Fax: (852) 2686 8268  
E-mail: emeihk@emeigroup.com

**东莞**

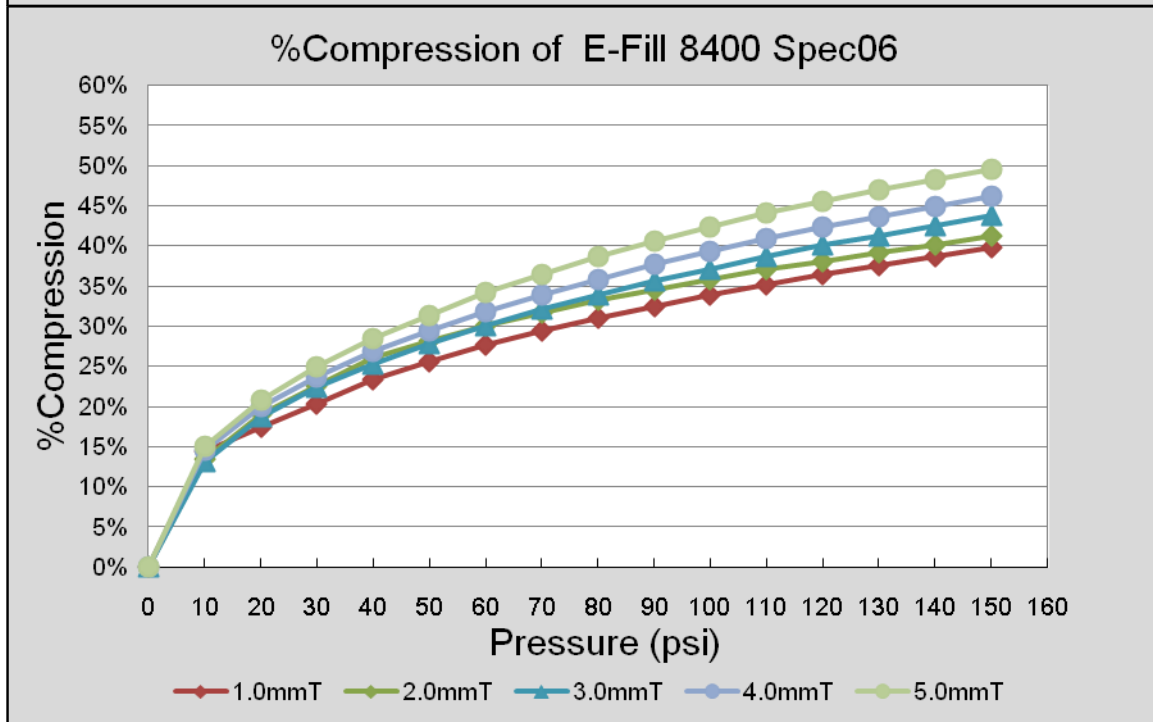
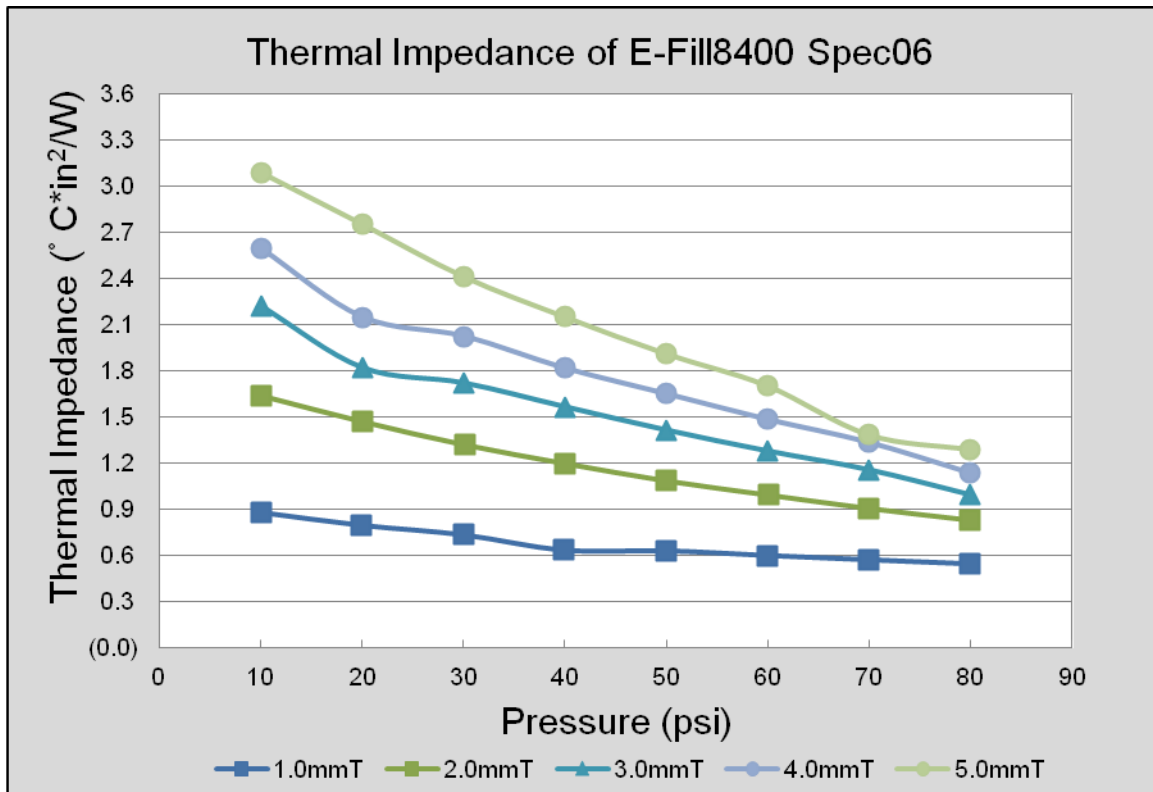
(86) 769-8334 1628/3400  
(86) 769-8334 2028/5656  
emeidg@emeigroup.com

**上海**

(86) 21-5868 3381/3382  
(86) 21-5868 3386  
emeish@emeigroup.com

**台湾**

(886) 2-2793 9055  
(886) 2-2793 9501  
emeitw@emeigroup.com



	<b>香港</b>	<b>东莞</b>	<b>上海</b>	<b>台湾</b>
Tel:	(852) 2686 8168	(86) 769-8334 1628/3400	(86) 21-5868 3381/3382	(886) 2-2793 9055
Fax:	(852) 2686 8268	(86) 769-8334 2028/5656	(86) 21-5868 3386	(886) 2-2793 9501
E-mail:	emeihk@emeigroup.com	emeidg@emeigroup.com	emeish@emeigroup.com	emeitw@emeigroup.com