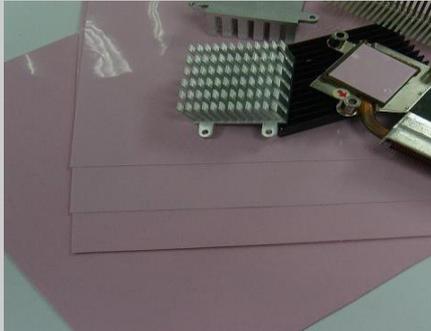


### Features and Benefits

- 2.5W/m-K thermal conductivity
- Improved handling properties
- Naturally tacky



### Typical Applications

- Cooling component to the chassis, frame, or other type of heat spreader
- Mass storage device
- Heat pipe assemblies
- RDRAM memory modules
- Motor control
- Telecommunication hardware

### Optional Configurations

- Fibreglass reinforcements are recommended for  $\leq 0.03"$
- Adhesive coating are optional
- Can be die-cut into specific dimensions

E-Fill 8400 Spec 05 is a functional derivative of the original E-Fill 8400 series. It exhibits good thermal performance but with much improved handling properties than the normal E-Fill 8400.

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

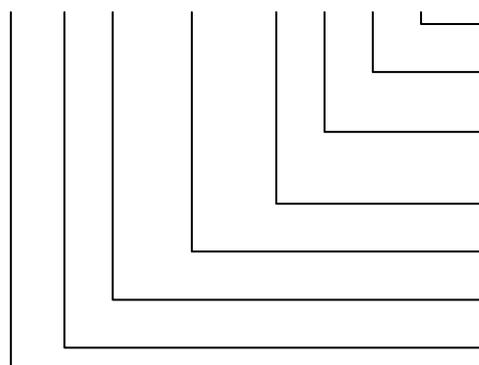
Properties	E-Fill 8400 Spec 05	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Pink	Visual
Thickness Range /inch (mm)	0.012"~0.40" (0.3~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm <sup>-3</sup>	2.56	—
Hardness /Shore 00	20	ASTM D2240
UL Flammability Rating	Conforms to UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	2.5	ASTM D5470 (modified)
Breakdown Voltage /V	>5000 (Thickness $\leq 0.03"$ )	ASTM D149
Shelf Life	24 months	—

Please contact us for other special requirements

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

### Product Code and Descriptions

E-Fill 84 XX Spec 05 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 05 = Special Derivative #**

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

**84 = 8400 Series**  
**E-Fill = E-Fill gap filling material**

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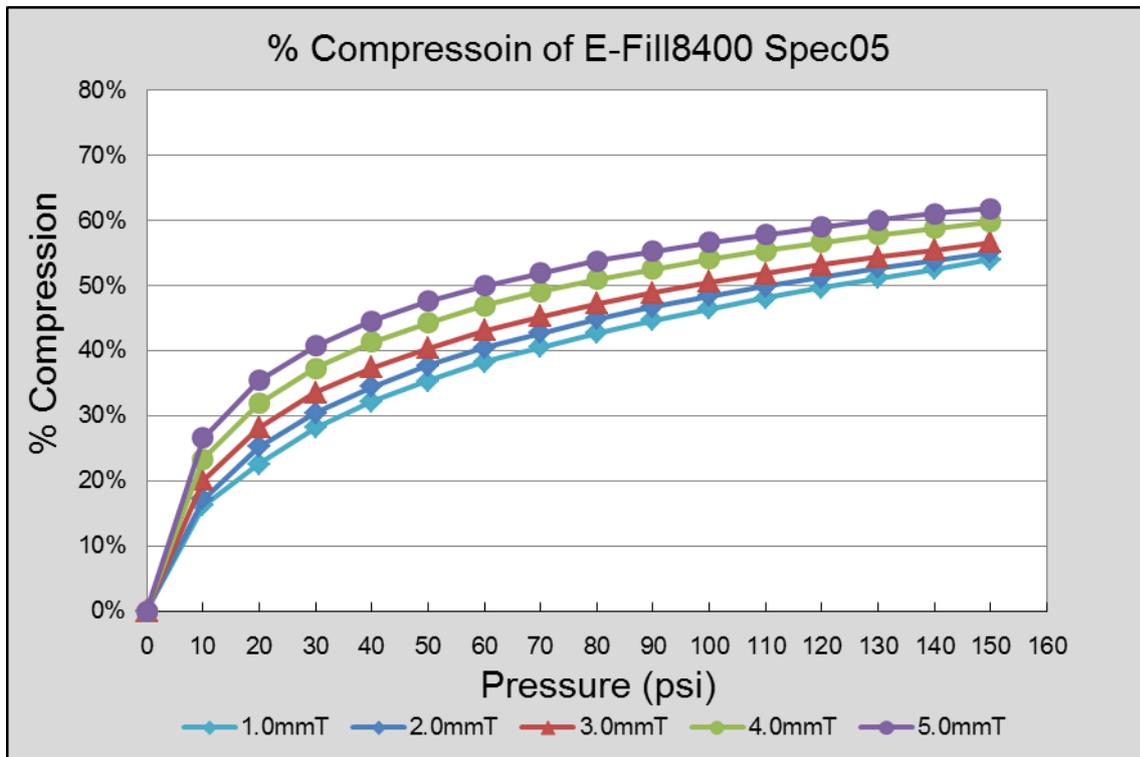
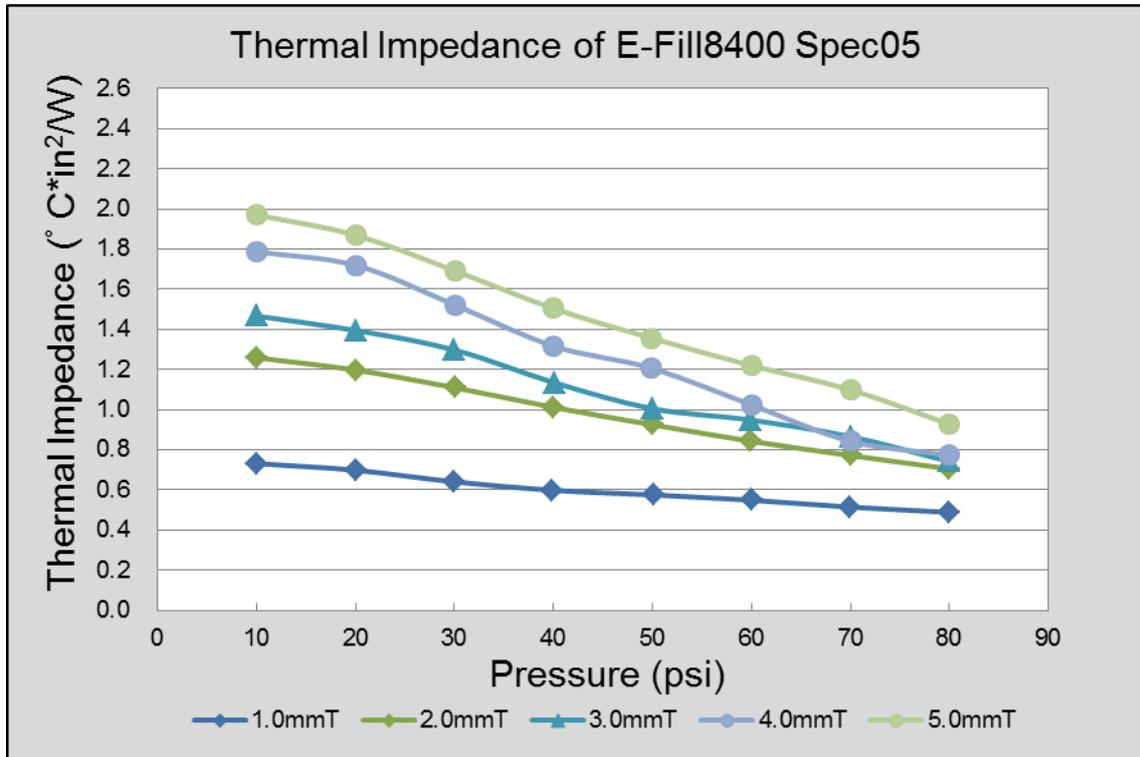
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