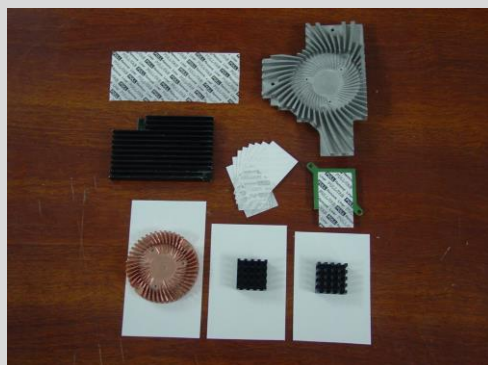


HIGH PERFORMANCE PHASE CHANGE MATERIAL

Features and Benefit

- Good thermal conductivity
- Naturally tacky
- Electrically Isolating
- RoHS compliant
- Halogen-free



E-Phase 800 is a thermally conductive phase change material having a softening temperature of 50°C. The liquid phase of the material can fill interface irregularities with much higher efficiency than traditional gap filler. On the other hand, it is a solid at room temperature and can be handled easily during installation.

E-Phase 800 is RoHS complaint and halogen-free. It is naturally tacky and additional adhesive is generally not required.

Typical Application

- Automotive control units
- Power supply
- Audio and video component
- General high pressure interface
- Micro processor

Color

- White – standard colour
- Please contact us for other colour requirements

Standard Configurations

- Thickness: 0.005~0.02"
- Sheet size: 12" X 16"
- Consult our factory for alternative thicknesses
- E-Phase 800 may be die cut into individual sizes

Typical Properties

Properties	E-Phase 800 Series	Test Method
Construction & Composition	Phase Change Materials	—
Color	White	Visual
Thickness Range (inch)/(mm)	0.005~0.02" (±0.002) 0.127~0.508mm (±0.05)	—
Specific Gravity (g.cm ⁻³)	1.62	—
Shelf life (months)	12	—
Phase change temperature (°C)	50	DSC Method
Operation Temperature (°C)	-40~130°C	—
Thermal Conductivity (W.m.K ⁻¹)	2.5	ASTM D5470 (Modified)
Thermal Impedance @ 80psi (°C.in ² /W)	0.075	ASTM D5470 (Modified)
"Burn-in" temperature (°C)	75°C for 5 minutes	—
Please contact us for other special requirements		

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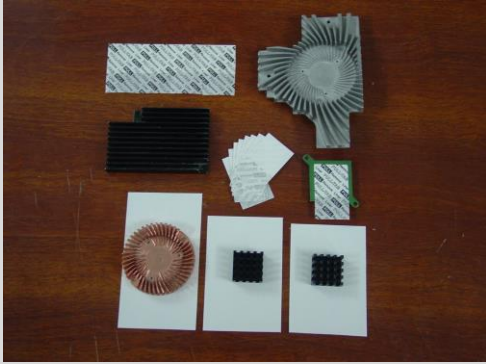
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产品特点

- 优良导热性能
- 具有天然粘性
- 电绝缘
- 符合 RoHS 规格
- 不含卤素



E-Phase 800 是一种在 50°C 已经开始软化的相变化材料。液态的 E-Phase 800 比传统的导热填充垫更能有效地填充及覆盖接触界面之间的缝隙和坑洼。另一方面，E-Phase 800 在室温环境下是固体形态，为组装及使用 时提供操作上的便利。

E-Phase 800 符合 RoHS 规格更达到无卤素要求，而且具有天然粘性，在正常情况下不需要增加额外的胶粘剂。

一般应用

- 车用电机控制器
- 供电设备
- 音频视频组件
- 一般高压界面
- 微处理器

颜色

- 白色 – 标准颜色
- 如对产品有其他颜色要求，请联系我们

标准配置

- 厚度: 0.005~0.02"
- 片材尺寸: 12" X 16"
- 如需要其他产品厚度，请与厂方另行商议
- E-Phase 800 可模切成特定尺寸

一般特性

一般特性	E-Phase 800 Series	试验方法
结构及主要成分	相变化材料	—
颜色	白色	目测
厚度(inch)/(mm)	0.005~0.02" (±0.002) 0.127~0.508mm (±0.05)	—
密度 (g.cm ⁻³)	1.62	—
保质期 (months)	12	—
相变化温度(°C)	50	差示扫描量热方法
使用温度(°C)	-40~130°C	—
导热率 (W.m.K ⁻¹)	2.5	ASTM D5470 (Modified)
热阻抗 @ 80psi (°C.in ² /W)	0.075	ASTM D5470 (Modified)
预热温度(°C)	75°C (5 分钟)	—

如对产品有特殊要求，请联系我们

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