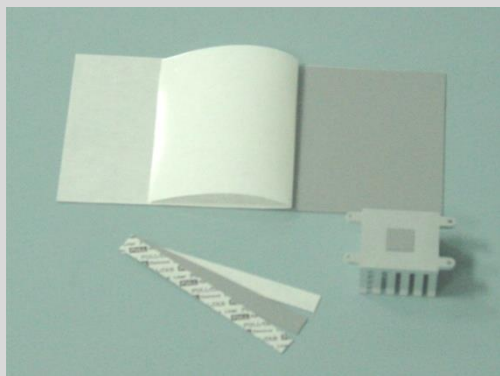


## HIGH PERFORMANCE PHASE CHANGE MATERIAL

### Features and Benefit

- High thermal performance
- Naturally tacky
- RoHS compliant
- Halogen-free



E-Phase 7300 is a thermally conductive phase change material having a softening temperature of 55°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 7300 is RoHS complaint and conforms to halogen-free standard. 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

- Grey
- Please contact us for other colour requirements

### Standard Configurations

- Thickness: 0.005" - 0.02"
- Sheet size: 12" X 16"
- Please consult our factory for alternative thicknesses
- E-Phase 7300 may be die cut into individual sizes

### Typical Properties

| Properties  | E-Phase 7300 Series                           | Test Method           |
|---|---|-----------------------|
| Construction & Composition                        | Phase change materials                        | —                     |
| Color   | Grey  | Visual                |
| Thickness Range (inch)/(mm)                       | 0.005~0.02" (±0.002)<br>0.127~0.508mm (±0.05) | —                     |
| Specific Gravity (g.cm <sup>-3</sup> )            | 1.8   | —                     |
| Shelf life (Months)                               | 12  | —                     |
| Phase change temperature (°C)                     | 55  | —                     |
| Temperature Range (°C)                            | -40~130°C                                     | —                     |
| Thermal Conductivity (W.m.K <sup>-1</sup> )       | 4.0   | ASTM D5470 (Modified) |
| Thermal Impedance @ 80psi (°C.in <sup>2</sup> /W) | 0.065   | ASTM D5470 (Modified) |
| Please contact us for other special requirements  |   |                       |

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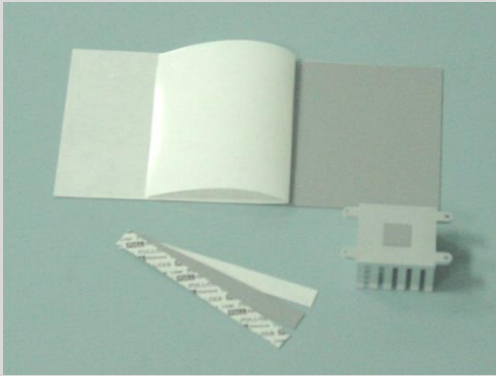
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**产品特点**

- 优良导热性能
- 具有天然粘性
- 符合 RoHS 规格
- 达到无卤素要求



E-Phase 7300 是一种在 55°C 已经开始软化的相变化材料。液态的 E-Phase 7300 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 7300 在室温环境下是固体形态，为组装及使用上提供操作上的便利。

E-Phase 7300 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
- 一般高压力界面
- 微处理器

**颜色**

- 灰色
- 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，请与我司另行商议
- E-Phase 7300 可模切成特定尺寸

**一般特性**

| 一般特性                                | E-Phase 7300 系列                               | 测试方法                  |
|-------------------------------------|---|-----------------------|
| 结构及主要成分                             | 相变化材料   | —                     |
| 颜色                                  | 灰色  | 目测                    |
| 厚度(inch)/(mm)                       | 0.005~0.02" (±0.002)<br>0.127~0.508mm (±0.05) | —                     |
| 密度 (g.cm <sup>-3</sup> )            | 1.8   | —                     |
| 保质期 (Months)                        | 12  | —                     |
| 相变化温度(°C)                           | 55  | 差示扫描量热方法              |
| 使用温度 (°C)                           | -40~130°C                                     | —                     |
| 导热率 (W.m.K <sup>-1</sup> )          | 4.0   | ASTM D5470 (Modified) |
| 热阻抗 @ 80psi (°C.in <sup>2</sup> /W) | 0.065   | ASTM D5470 (Modified) |
| 如对产品有特殊要求，请联系我们                     |   |                       |

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