

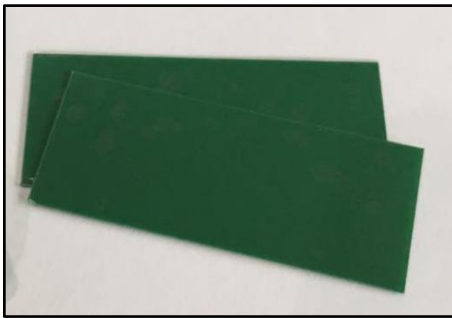
# 导热相变片 Phase change thermal interface sheet

## 【产品概述 Introduction】

SP-350P 是一种相变温度在 50~65℃, 产品在室温时为固体片材, 超出相变温度后为流体状, 具有优异的润滑和压缩性, 可依据顾客要求裁切成任意尺寸, 贴附于散热器和功率消耗型电子器件之间。填充热源与散热器间的空隙, 最大限度的降低热阻。产品操作方便, 可靠性高。

SP-350P is a thermally conductive phase change material having a softening temperature of 55~65℃ compressibility. 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.

## 【产品图示】



## 【特点与优势 Features and Benefits】

- 在 50℃~65℃发生相变  
Phase change at 55℃~65℃
- 常温下自带一定粘性  
Naturally tacky at room temperature
- 无需预热操作  
No preheating required

**【储存&运输】** 贮存于 25℃~30℃、通风、阴凉、干燥处, 不要接触明火. 本产品无毒, 按非危险品贮存及运输。

Store at 25 ~30 C, ventilated, cool, dry place, do not touch open fire. This product is non-toxic, stored and transported according to non-dangerous goods.

**【包装】** 根据客户需求定制包装 Customized Packaging According to Customer's Requirements

**【有效期】** 本产品有效期为 12 个月 The validity period of this product is 12 months.

**【安全】** 请参阅本公司《材料安全性能数据表 (MSDS)》 Please refer to our company's Material Safety Performance Data Sheet

以上这些建议及数据均来自我们认为可靠的资料。虽然是以诚信提供, 但由于我们无法控制产品的使用条件和方法, 无法对兼容性的应用提出任何建议, 因此这些建议及数据仅供参考, 而不作为产品保证。在任何时候, 应由用户最终决定他们的生产线是否能够有效地使用。应由买方决定产品是否合适或适用特殊用途。不保证产品质量或适用性可满足任何特殊用途。我们建议潜在用户在大量使用前, 首先确定我们的材料适用性和建议。

All the above suggestions and data are based on what we believe to be reliable information. Although provided in good faith, because we can not control the conditions and methods of use of products, and can not make any suggestions for compatibility applications, these suggestions and data are only for reference, not as product assurance. At any time, it is up to the end user to decide whether their production line can be used effectively or not. It is up to the buyer to decide whether the product is suitable or suitable for special uses. It is not guaranteed that the product quality or applicability can meet any special purpose. We recommend that potential users determine the applicability and recommendations of our materials before using them in large quantities.

## 特性参数 SP-350P

项目	检测		测试方法
颜色/Color	绿色/Green	绿色/Green	目视
Reinforcement Carrier	Polyimide	Polyimide	***
厚度 Thickness (inch/mm)	0.004/0.006	0.102/0.150	ASTM D374
膜厚 Film Thickness (inch/mm)	0.001/0.002	0.025/0.050	ASTM D374
伸长率 (%) Elongation	40	40	ASTM D882A4
拉伸强度 Tensile Strength (psi)/(MPa)	7100	49	ASTM D882A4
连续使用温度 Continuous Use Temp (° F)/(° C)	257	125	***
相变化温度 Phase Change Temp (° F)/(° C)	131	55	ASTM D3418
介电击穿电压 Dielectric Breakdown Voltage (Vac)	8000	8000	ASTM D149
介电常数 Dielectric Constant (1000 Hz)	4.5	4.5	ASTM D150
体积电阻率 Volume Resistivity (Ω)	10 <sup>12</sup>	10 <sup>12</sup>	ASTM D257
导热系数 Thermal Conductivity (W/m-K)	1.8	1.8	ASTM D5470
RoHS	PASS		IEC 62321
Halogen	PASS		EN14582
REACH	PASS		EN14372

## 【典型应用 Applications Include】

- 高频微处理器 High Frequency Microprocessors
- 手提或台式电脑 Notebook and Desktop PCs
- 音频放大器/电源模块 Audio amps/power modules
- 计算机服务/存储模块 Computer Serves/ Memory Modules
- 缓存芯片/LED 照明 Cache Chips/ LED lighting
- 开关电源 Switching mode power supplies