

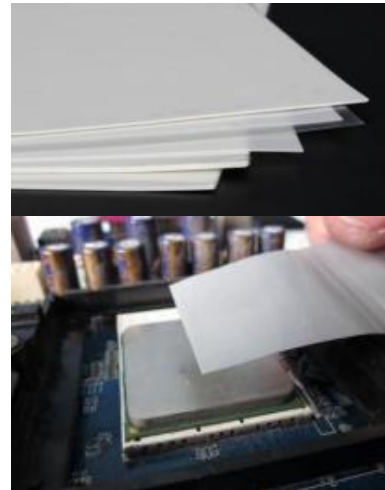
导热相变片 Phase change thermal interface sheet

【产品概述 Product Description】

SP205A-30是一种兼具固体形态操作性与液态填充性的创新导热相变化材料，它在室温下呈固态，便于组装与运输；达到特定相变温度后会软化成流体，能精准填充电子元件接触界面的缝隙与凹凸，显著提升热传导效率，兼具易用性与高导热性能，是高性能散热方案的理想选择。

SP205A-30 is an innovative thermal conductive phase change material that combines the handling convenience of a solid state with the gap-filling capability of a liquid state. It remains solid at room temperature, facilitating easy assembly and transportation; when reaching its specific phase-change temperature, it softens into a fluid state, which can precisely fill the gaps and uneven surfaces on the contact interfaces of electronic components, significantly improving heat transfer efficiency. With both excellent usability and high thermal conductivity, it is an ideal choice for high-performance thermal management solutions.

【产品图示 Product Illustration】



产品型号 Product Type	测试标准	SP205A-30
颜色 Color	目视/Visual	灰色/Gray
导热系数 Thermal conductivity (W/m·K)	ASTM D5470	3.0±0.3
热阻 Thermal resistance (°C·in ² /W, 0.2mm,@50psi)	ASTM D5470	0.05
标准厚度Standard Thickness (mm)	ASTM D374	0.20
定制厚度Custom Thickness (mm)	ASTM D374	0.13~0.5
厚度公差Thickness Tolerance (%)	/	20
相变化温度Phase Change Temperature (°C)	/	45~55
密度 Density (g/cm ³)	ASTM D792	2.85±0.3
使用温度 Application temperature (°C)	/	-25~125
阻燃性 Flammability	UL94	V-0
RoHS	IEC 62321	PASS
Halogen	EN 14582	PASS
REACH	EN 14372	PASS

【特点与优势/Features And Benefits】

- 在 50°~70° 发生相变 Undergoes phase change at 50–70°C
- 常温下自带一定粘性 Moderate inherent tack at room temperature
- 无需预热操作 No preheating required

【产品规格 Configurations Available】

- 片状产品: 200*300mm 或依照顾客要求
Sheet products: 200*300mm or Customized
- 模切产品: 依照顾客要求
Die-cut products: Customized

【典型应用/Applications】

- 高频微处理器 High-frequency microprocessors
- 手提式或台式电脑 Laptops & desktop computers
- 计算机服务器 Computer servers
- 存储器 Memory modules
- 集成芯片 Integrated chips (ICs)
- LED 照明产品 LED lighting products

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【包装 Packaging】 根据客户需求定制包装。 Customized packaging method.

【有效期 Shelf Life】 本产品有效期为 12个月。 The shelf life is 12 months.

【安全 Safety】 请参阅本公司《材料安全性能数据 (MSDS) 》。 Please refer to our company's "Material Safety Data Sheet (MSDS)" for safety information.

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