

ZF导热石墨 ZF Thermal Graphite Pad

技术数据表 Technical Data Sheet



导热石墨具有独特的晶粒取向，片层状结构可很好地适应任何表面，沿两个方向均匀导热。平面内导热系数最高可达400-800 W/m-K。ZESION产品均匀散热的时候也在厚度方面提供热隔离。屏蔽热源与组件的同时改进消费类电子产品的性能。柔性石墨产品作为一个被动的热分布和热盾。这些产品提供各种不同的平面导热的解决方案。柔性石墨材料可以打孔,或层压塑料和背贴粘合剂。

NM Graphene has unique grain orientation of the layered structure of the tablets can be well adapted to any surface, homogeneous heat conduction along the two directions. In-plane thermal conductivity of up to 1000-1600 - W/m K. ZESION products of uniform heat dissipation at the same time also provide heat isolation with respect to the thickness. Blocking the heat source and components at the same time to improve the performance of consumer electronics. Flexible graphite products as a passive heat distribution and heat shield. These products provide all kinds of plane thermal conductivity of the solution. Flexible graphite materials can be punched, or laminated plastic and adhesive back.

技术参数

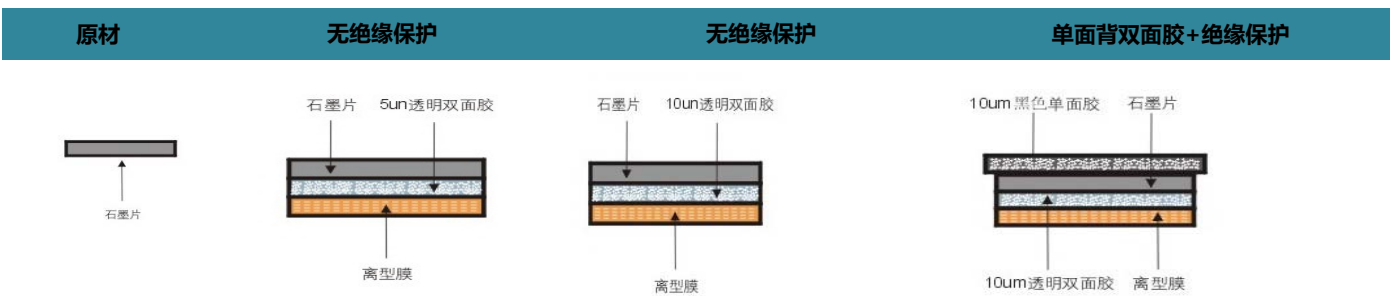
| 物理参数 | |
|------------------------|----------|
| 颜色 | 灰黑 |
| 厚度(mm) | 0.07-1.5 |
| 密度(g/cm ³) | 1.76 |
| 硬度(Shore A) | 65±2 |
| 有效工作温度 (°C) | -40-120 |
| 抗撕裂强度(N/M) | ≥90 |
| 重量损失(%) | <0.01 |
| 电气性能 | |
| 防火等级(UL-94) | V-0 |

(continued on next page)

导热性能

| | |
|---------------|---------|
| 导热系数W/m.k(垂直) | 6-8 |
| 导热系数W/m.k(水平) | 400-800 |

产品结构



| | 透明双面胶厚度0.005mm | 透明双面胶厚度0.01mm | 透明双面胶厚度0.005mm/0.01mm/0.03mm 白色或黑色绝缘保护层 |
|--|--------------------------|---------------------|--|
| | 高热特性, 连续400度高温正常工作, 单面绝缘 | 高强度, 单面绝缘, 耐电压2000V | 双面绝缘, 石墨不破裂, 易撕起组装 |
| | 粘接力 (1800 对不锈钢板) | 粘接力 (1800 对不锈钢板) | 粘接力 (1800 对不锈钢板) |
| | 8N/25mm | 10N/25mm | 8/10/12N/25mm |

使用方法:

- 1, 被粘贴产品表面擦拭干净至无杂质, 从离型纸或PET离型膜方向取下石墨薄片, 保持产品平整, 无折皱.
- 2, 在粘贴过程中, 先从中间部分粘贴, 再向四周排泡, 产品粘贴后平整, 无气泡.

Notes:

1, paste the product surface to wipe clean to the impurities, from the paper or PET flim remove carbon membrane direction, keep product level off, without a wrinkle.

2, In-plane conductivity at ambient temperature determined using Angstrom' s method; through-plane determined using ASTM D5470 Modified method.

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