



防屏蔽石墨烯散热片The shielding graphene heat sink
技术数据表Technical Data Sheet



采用自主研发的专利产品石墨烯与纳米碳复合制剂均匀涂覆于高分子绝缘基材，水平方向高效散热与碳原子远红外波热辐射散热。本产品是绝缘材料，解决金属材料与导电材料产生的电子EMI现象。

Adopts patent product of our company research and development of graphene and carbon compound preparation of nanoparticles coated in high polymer insulating substrate, set a horizontal efficient heat dissipation and far-infrared carbon atom wave radiation heat dissipation. This product is insulation materials, metal materials and produce the phenomenon of EMI conductive material products.

测试项目	测试方法	单位	测试值
颜色 Color	Visual	-	黑色
材质 Material	-	-	-
厚度 Thickness	ASTM D374	mm	0.13±0.1
比重 Specific Gravity	ASTM D792	g/cm ³	1.25
耐温范围Continuous use Temp	EN344	°C	-40~+150
散热涂层 Porosity	ASTM D374	mm	0.05±0.01
粒子体积 Pore volume	ASTM D257	NM	11-15
硬度 Hardness	ASTM D2240	Shore A	65
阻燃性Flame Rating	UL 94	-	V-0
导热系数Conductivity	ASTM D5470	w/m-k	600

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背胶物性 PRESSURE SENSITIVE ADHESIVE			
胶系	3M200MP	粘着力	1.2Kg/25mm
ADHESIVE BASE	ACRYLIC	180PEEL ADHESION	
厚度	0.06mm	剥离力	1.6Kg/25mm
THICKNESS		RELEASE FORCE	
胶量	25±3g/m ²	适用温度	-40~+110
DRYCOATING WEIGHT		TEMPERATURE RANGE	
初期力	2NO/BALL	耐溶剂	ON
TACK		SOLVENT RESISTANCE	
保持力	48HR/Kg*25mm	耐候性	OK
HOLDING POWER		WEATHER RESISTANCE	

使用方法:

- 1, 需散热表面擦拭干净至无杂质, 从离型纸或PET离型膜上取下散热片。
- 2, 在粘贴过程中, 注意排除双面胶与散热面之间的气泡, 粘贴24小时后达到最大粘接力。

Notes:

- 1, Heat dissipation surface wipe clean to the impurities, from the paper or PET from type membrane to remove heat sink.
- 2, In the process of paste, pay attention to rule out between the double-sided adhesive and the radiating surface bubbles, paste after 24 small achieve maximum stick relay.