

ZF导热石墨 ZF Thermal Graphite Pad

技术数据表 Technical Data Sheet



導熱石墨烯具有獨特的晶粒取向，片層狀結構可很好地適應任何表面，沿兩個方向均勻導熱。平面內導熱系數最高可達 1000-1600 W/m-K。ZESION 產品均勻散熱的同時也在厚度方面提供熱隔離。屏蔽熱源與組件的同時改進消費類電子產品的性能。柔性石墨產品作為一個被動的熱分布和熱盾。這些產品提供各種各樣的平面導熱的解決方案。柔性石墨材料可以打孔，或層壓塑料和背貼粘合劑。

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.

技術參數

物理參數	
顏色	灰黑
厚度(mm)	0.017-0.075
密度(g/cm ³)	1.96
硬度(Shore A)	65±2
有效工作溫度 (°C)	-40-120
抗撕裂強度(N/M)	≥90
重量損失(%)	<0.01
電氣性能	
防火等級(UL-94)	V-0

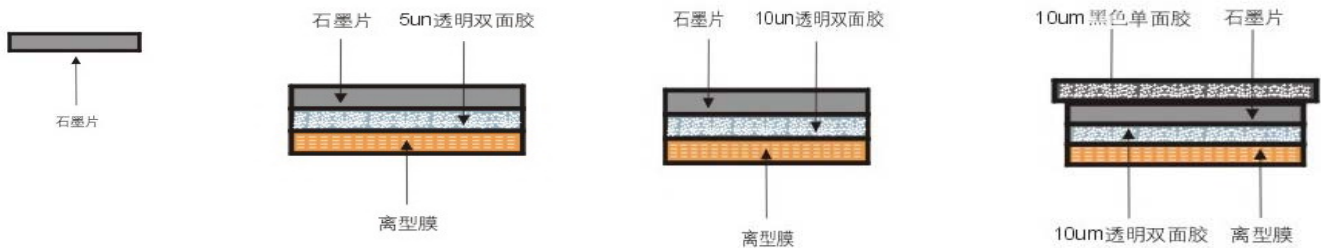
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導熱性能	
導熱係數W/m.k(垂直)	10-15
導熱係數W/m.k(水平)	1000-1600

產品結構

原材	无絕緣保護	无絕緣保護	單面背雙面膠+絕緣保護
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	透明雙面膠厚度0.005mm	透明雙面膠厚度0.01mm	透明雙面膠厚度 0.005mm/0.01mm/0.03mm 白色或黑色絕緣保護層
	高導熱特性，連續400度高溫正常工作，單面絕緣	高強度，單面絕緣，耐電壓2000V	雙面絕緣，石墨不破裂，易撕起組裝
	粘接力 (180°對不銹鋼板)	粘接力 (180°對不銹鋼板)	粘接力 (180°對不銹鋼板)
	8N/25mm	10N/25mm	8/10/12N/25mm

使用方法:

- 1, 被粘貼產品表面擦拭乾淨至無雜質，從離型紙或PET離型膜方向取下石墨片，保持產品平整，無折皺。
- 2, 在粘貼過程中，先從中間部分粘貼，再向四周排泡，產品粘貼後平整，無氣泡。

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.