

RH-GP2500Y

碳纤维导热片

Carbon Fibre Thermal Pad

Features and Benefits

特点与优势

- ✦ High thermal conductivity: 25W/m-K
导热系数: 25W/M-K
- ✦ Excellent flame retardant
优秀的阻燃性
- ✦ Good flexibility and high compression ratio
柔韧性好、压缩率高



RH-GP2500Y composites have the advantages of low density and good durability. Carbon fiber is an anisotropic and thermally conductive material with excellent thermal conductivity in the thickness direction. The silica gel sheet is very soft and well compressed, and is used to fill the interface of two articles, so that the air of the interface is discharged, and the heat conduction efficiency is improved. Thermal conductivity can reach 25.0 W/m.k.

RH-GP2500Y 复合材料具备密度小、耐久性好等优点, 碳纤维是一种各向异性、厚度方向导热性能优异的导热材料。该硅胶片很柔软, 很好压缩, 用于填充两个物品的界面, 使得界面的空气排出, 提高导热效率。导热系数: 25.0W/m.k.

The above suggestions and data are based on information that we believe to be reliable. Therefore, these suggestions and data are only for reference, not as product guarantee. It is up to the customer to decide whether the product is suitable or suitable for special use. We recommend that users first determine the suitability of our materials and recommendations before using them in large quantities.

以上建议及数据均来自我们认为可靠的资料。因此这些建议及数据仅供参考, 而不作为产品保证。应由客户决定产品是否合适或适用特殊用途。我们建议用户在大量使用前, 首先确定我们的材料适用性和建议。

RH-GP2500Y

Property	Parameter	Unit	Test Method
Color 颜色	黑色/Black	--	Visual
Thermal Conductivity 导热系数	25	W/m.k	ASTM D5470
Metal 基材	液体硅橡胶 Liquid silicone rubber		--
Filler 填料	碳纤维 (C)、 氧化铝 (Al ₂ O ₃)		--
Hardness 硬度	60-80	Shore 00	ASTM D2240
Thickness 厚度	0.5-20	mm	ASTM D374
Density 密度	2.9	g/cm ³	ASTM D792
Electrical Strength 抗电强度	0.01	KV/mm	ASTM D149
Thermal Resistance (1mm,@40psi) 热阻	0.06	°C*in ² /W	ASTM D5470
Tensile Strength 拉伸强度	30	psi	ASTM D412
Elongation 伸长率	20	%	ASTM D412
Fire Rating 防火等级	V-0	--	UL94
Working Temperature 工作温度	-50~160	°C	--
RoHS/REACH	Compliance	--	--

使用 ASTM D5470 测试夹具, 记录值包括界面热阻, 数值仅供参考。实际应用性能到所施加的表面粗糙度、平整度和压力。注: 厚度公差: ±10%, 硬度公差: ±5°, 颜色/厚度/硬度均可按顾客需求调试。

Applications

典型应用

- ✦ Semiconductor heat sink 半导体散热装置
- ✦ Graphics card, memory module 显卡、记忆存储模块
- ✦ Communication & power equipment 通讯&电源设备
- ✦ Vehicle navigator 车载导航仪
- ✦ LED television and lighting LED 电视和照明设备

Configurations Available

产品规格

- ✦ Flake products :300*400 mm or according to customer requirements
片状产品: 300*400mm 或依照顾客要求
- ✦ Die-cutting products: according to customer requirements
模切产品: 依照顾客要求

Storage & Transportation: store in a ventilated, cool and dry place, do not contact with open fire. This product is non-toxic and is stored and transported as non dangerous goods.

储存&运输: 贮存于通风、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。

Packaging: customized packaging according to customer needs.

包装: 根据客户需求定制包装。

Safety: please refer to material safety performance data (MSDS) of our company

安全: 请参阅本公司《材料安全性能数据 (MSDS) 》

Period of validity: the product is valid for 12 months

有效期: 本产品有效期为 12 个月