

T-Graf Series Thermal Interface of Graphite Material

T-Graf系列石墨导热片

T-Graf series is a high performance, cost effective thermal interface of natural graphite material.

It is used to where needs low contact thermal resistance and high-thermal conductivity because of its unique grain-oriented and plate structure.

Flexible graphite material can be die cutting and stamped by using plastic and adhesion.

Sizes could be in 500 mm x 500 mm sheet, or in roll, or die cutting per customer's specification.

T-Graf series can be single-sided or double-sided adhesive, the adhesive coating is super thin to reduce the affection of thermal conductivity.

T-Graf 系列是一款高性能，低成本的天然石墨热界面材料。

T-Graf 系列热界面材料设计用于需要低接触热阻和高导热性的应用，其独特的晶粒取向，板状结构提供了卓越的热性能。柔性石墨材料可以用塑料和粘合剂进行模切和冲压。T - Graf 系列可提供 500 毫米×500 毫米板材，卷料或模切到客户要求尺寸大小。T-Graf 系列提供专有的单双面背胶，该胶粘剂涂层是最薄的，从而最大限度地减少任何对热性能的影响。

Features:

High-thermal conductivity: 400-700W/MK

Heat transfer rate: up to 7 x Aluminum and 4x Copper

30% lighter than Al and 80% than Copper

Eliminates hot-spots and protects sensitive areas

Fit for super thin device designs

Operating temperature: - 40°C to 400°C.

Could be single-sided adhesive

产品特点：

高传热：热传导 400-700w / MK

传热量高达 4 倍和 7 倍铝铜

30%轻于 Al 和 80%轻于铜

消除热点，保护敏感区域, 达到超薄的装置设计

可以单面背胶的，方便做业。

工作温度很宽：-40° 稳定到 400° C

Applications:

Between semiconductor packaging and heat sink

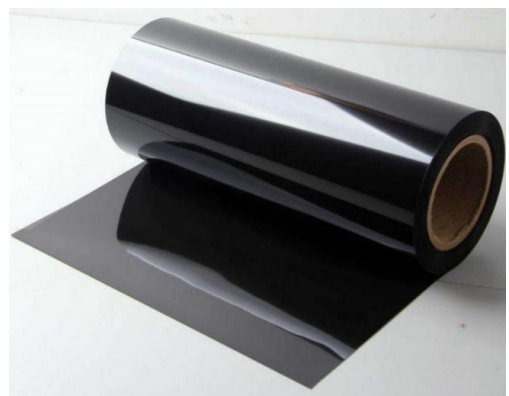
Between power converter and heat sink

Thermal shielding of Li-Ion batteries

Electronical production: IC, CPU, LED, LCD-TV and mobile phone

PGA's and most power devices.

Automotive electronics



应用领域: :

半导体封装与散热片之间
功率转换器和散热器之间
消费类电子产品 集成电路、
CPU、LED、液晶电视和手机
锂电池的热屏蔽
PGA 和大多数功率器件散热
汽车电子



性能参数 Properties:

Typical Properties 特性	T-Graf 600	T-Graf 1200	T-Graf 2000
Color 颜色	Pewter	Pewter	Pewter
Thickness, mm 厚度	0.05-0.5mm	0.05-0.5mm	0.05-0.5mm
Density, g/cc 密度	1.12	1.12	1.12
Tensile Strength, psi 拉伸强度	650	300	200
Electrical Resistivity, $\mu\Omega$ m 体积电阻	15×10^{-6}	15×10^{-6}	15×10^{-6}
Conductivity s/cm 导电率	19000	19000	19000
Thermal Resistance $^{\circ}\text{C}/\text{w}$ 热阻系数	0.26	0.19	0.1
Thermal Conductivity, $\text{w}/\text{m}^{\circ}\text{C}$ Z direction Z 向导热系数	6	12	20
Thermal Conductivity, $\text{w}/\text{m}^{\circ}\text{C}$ X and Y directions X&Y 向导热系数	240	200	160
Operating Temp, $^{\circ}\text{C}$ 工作温度	-40 to 400	-40 to 400	-40 to 400

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Please contact us for other special requirement such as :

- Available to apply adhesive 可依需求背胶
- Customer different cut shape 不同形状冲型裁切
- Special hardness、color、size、thickness、different structure composition...etc
- 特殊硬度、颜色、尺寸、厚度、不同结构成分等
- Sample require 样品需求