

# 导热绝缘片

## THERMALLY CONDUCTIVE INSULATOR

### 产品介绍 PRODUCT INTRODUCTION

导热绝缘片是通过玻纤或者聚酰亚胺膜强化并施加高温复合制成的导热材料。具有高绝缘，高强度，超薄，导热性能良好以及抗穿刺能力强的特点。

Thermally conductive insulator sheet is a heat conducting material reinforced by glass fiber or polyimide film. It has the characteristics of high insulation, high strength, ultra-thin, good thermal conductivity and strong puncture resistance.

### 产品特点 PRODUCT FEATURE

- 高绝缘，抗穿刺，抗拉强度极佳
- 超薄、易于加工和装配
- High insulation, puncture resistance and excellent tensile strength
- Ultra thin, easy to process and assemble

### 典型应用 TYPICAL APPLICATION

- 电源行业(UPS、逆变器等)
- Power supply industry (UPS, inverter, etc.)
- 汽车空调
- Automobile air conditioner
- 照明
- Lighting
- MOS 管散热
- MOSFET
- 动力电池
- Power battery

### 产品参数 PRODUCT PARAMETER

| 产品型号<br>Models | 基材<br>Construction | 厚度<br>Thickness | 导热系数<br>Thermal Conductivity | 介电强度<br>Dielectric Strength | 体积电阻率<br>Volume Resistivity | 使用温度<br>Application Temperature | 阻燃等级<br>Flammability Rating | 保质期<br>Shelf Life |
|----------------|--------------------|-----------------|------------------------------|-----------------------------|-----------------------------|---------------------------------|-----------------------------|-------------------|
|                |                    | mm              | W/m.K                        | KV                          | $\Omega \cdot \text{cm}$    | $^{\circ}\text{C}$              | UL-94                       | month             |
| TAF 15 G       | GF                 | 0.19~0.23       | 1.5                          | 6.0                         | $10^9$                      | -50~180                         | V0                          | 12                |
| TAF 15 P       | PI                 | 0.15            | 1.5                          | 6.5                         | $10^{11}$                   | -50~180                         | V0                          | 12                |
| TAF 35 G       | GF                 | 0.25            | 3.5                          | 6.0                         | $10^{12}$                   | -50~180                         | V0                          | 12                |