



Features 特性

- High Thermal Conductivity 高导热
- Low Compression Stress 低应力
- High Reliability 高可靠性
- Automatic Dispensing 自动化点胶

Applications 产品应用

- Consumer Electronics 消费电子
- Communication Equipment 通讯设备
- Power Supply Controller 电源控制系统
- Smart Wearable Product 智能穿戴产品

Thermal TGF0450 是一种具有高导热, 低压缩应力和优异可靠性的双组份导热凝胶。其具有良好的弥合公差能力, 适用于自动化点胶以及丝网印刷等应用场景。该产品可在常温或高温条件下固化, 形成具有弹性的垫片。

Thermal TGF0450 is a kind of two-component thermal conductive gel with high thermal conductivity, low compression stress and excellent reliability performance. The material provides good gap filling ability and could be used for automatic dispensing and screen printing. The material can be cured under room or high temperature to form elastic pad after curing.

Property 特性	Typical Value 典型值	Unit 单位	Test Method 测试方法
Composition 主要成分	Silicone Filled with Thermal Powder 硅胶&导热粉体		—
Color 颜色	A – Pink 粉红色 B – White 白色 Mix – Pink 粉红色		Visual 目视
Thermal Conductivity 导热系数	4.5	W/m·K	ASTM D5470
Flow Rate 流速 (A/B)	40	g/min	30cc EFD, 90Psi
Density 密度	3.3	g/cm ³	ASTM D792
Hardness 硬度 (Shore 00)	50	—	ASTM D2240
Cure Time 固化时间	30@85°C	min	—
Temperature Range 耐温范围	-40 - 150	°C	—
Breakdown Voltage 击穿强度	6.0	KV/mm	ASTM D149
Flame Rating 阻燃等级	V-0	—	UL 94
RoHS Compliance 合规性	YES	—	—
Shelf Life 保存期	6	month	25±5°C, ≤50% RH, 未启封

All technical information stated in this technical data have been confirmed that all the technical parameters are reliable after harsh testing and evaluation of the products. Before you use our products, please carefully evaluate and decide whether the product meets your requirement and you need to take all the risks and responsibilities to use.

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