

THERMALLY CONDUCTIVE COMPOUND 3.5W/m-K



OU-802 is a high performance thermally conductive compound and will not dry out. It has low flowability for easy and neat application; and can be used for application involving auto-dispensing equipments or stencil screen-printing.

The proprietary alumina formula of OU-802 makes for its good thermal conducting performance. Together with its superior wetting properties in filling surface irregularities, OU-802 provides a cost effective solution for application where rapid heat transfer from heat source to spreader is required.

OU-802 is RoHS compliant and halogen-free, offering extra reassurance in applications where hazardous substances are forbidden.

Features and Benefits	Typical Applications	Optional Configurations
<ul style="list-style-type: none"> • 3.5W/m-K thermal conductivity • Excellent thermal conductivity • Never dries • RoHS compliant • Halogen-free • Suitable for auto-dispensing and screen printing applications 	<ul style="list-style-type: none"> • Heat source to spreader/sink in computer and peripherals • Power conversion equipments • Cooling components to the chassis, frame or other types of heat spreader • Wireless communication hardware • Automotive control units • Power supply • Audio and video component • Micro processor 	<ul style="list-style-type: none"> • Cartridge packaging forms can be arranged upon request

Typical Properties	OU-802	Test Method
Construction & Composition	Silicone-based putty	—
Color	White	Visual
Density (g.cm ⁻³)	3.0	—
Flow Rate @ 30cc syringe under 90psi (g/min)	22	—
Temperature Range (°C)	-40~180°C	—
Dielectric Strength (Vac/mm)	>5000	ASTM D149
Thermal Conductivity (W.m ⁻¹ .K ⁻¹)	3.5	ASTM D5470 (modified)
UL Flammability Rating	UL94 V0	E109346
Thermal Impedance @ 1.0 mmT (°C.in ² /W)	0.442	ASTM D5470 (modified)
Random Vibration Test/ Sinusoidal Vibration Test/ Mechanical Shock Test	Pass	ETSI 300019-2-4 V2.1.2-1999 T4.1
Shelf Life (Months)	24	—

Please contact us for other special requirements

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OU-802 具有高导热性能及不容易干涸等特点。OU-802 拥有良好的覆盖面积及低流动性，适合用于自动配料及模版印刷等生产工艺。

独有的氧化铝配方是 OU-802 优良导热性能背后的主要原因，再加上自身的润滑作用，OU-802 能解决热源与散热器之间的热传导要求。

OU-802 不单指符合 RoHS 规格更达到无卤素要求，令客户在使用时对于有害物质的控制更有信心。

产品特点	一般应用	其他配置
<ul style="list-style-type: none"> • 导热率 3.5W/m-K • 优良导热性能 • 永不干涸 • 符合 RoHS 规格 • 不含卤素 • 适用于自动配料及丝网印刷等生产工艺 	<ul style="list-style-type: none"> • 计算机或其外围设备内热源和散热器之间 • 功率转换设备 • 底盘，框架或其他散热组件 • 无线通信硬件 • 汽车电机控制器 • 供电设备 • 音频视频组件 • 微处理器 	<ul style="list-style-type: none"> • 如有需要，可安排特别注射器式包装

一般特性	OU-802	测试方法
结构及主要成分	硅树脂复合物	—
颜色	白色	目测
密度 (g.cm ⁻³)	3.0	—
流动性 @ 30cc syringe under 90psi (g/min)	22	—
使用温度 (°C)	-40~180°C	—
击穿电压 (Vac/mm)	>5000	ASTM D149
导热率 (W.m ⁻¹ .K ⁻¹)	3.5	ASTM D5470 (modified)
UL 燃烧等级	UL94 V0	E109346
热阻抗 @ 1.0 mmT (°C.in ² /W)	0.442	ASTM D5470 (modified)
随机振动试验/正弦振动试验/机械冲击试验	Pass	ETSI 300019-2-4 V2.1.2-1999 T4.1
有效期 (Months)	24	—

如对产品有其它特殊要求，请联络我们

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