



Features 特性

- Low Thermal Resistance 低热阻
- Low Viscosity 低粘度
- High Reliability 高可靠性
- Screen Printing 丝网印刷

Applications 产品应用

- Laptop CPU 笔记本电脑 CPU
- Communication equipment 通讯设备
- Power supply controller 电源控制系统
- ADAS 智能驾驶系统

**Thermal TIG0601** 是一种具有低粘度，低热阻的导热硅脂，可采用印刷或点胶的方式涂覆在发热器件或者散热器表面，装配后可以跟界面形成良好的润湿，降低系统的接触热阻，从而提高散热效率。

**Thermal TIG0601** is a kind of thermal grease material with low viscosity and low thermal resistance. The material can be applied on heating devices and heat spreader surfaces by printing or dispensing. Due to good wetting between the interfaces after assembly, the contact thermal resistance will be substantially reduced to improve heat dissipation efficiency.

| Property<br>特性                      | Typical Value<br>典型值                           | Unit<br>单位            | Test Method<br>测试方法 |
|-------------------------------------|------------------------------------------------|-----------------------|---------------------|
| Composition 主要成分                    | Silicone Filled with Thermal Powder<br>硅胶&导热粉体 |                       | —                   |
| Color 颜色                            | Gray 灰色                                        | —                     | Visual 目视           |
| Thermal Conductivity<br>导热系数        | 6.0                                            | W/m·K                 | ASTM D5470          |
| Thermal Resistance 热阻               | 0.088 @ 40Psi                                  | °C.cm <sup>2</sup> /W | ASTM D5470          |
| Bond-line Thickness (BLT)<br>界面结合厚度 | 30                                             | μm                    | —                   |
| Viscosity 粘度@1s <sup>-1</sup>       | 620                                            | Pa.s                  | ASTM D2196          |
| Density 密度                          | 3.30                                           | g/cm <sup>3</sup>     | ASTM D792           |
| Temperature Range<br>耐温范围           | -40 - 150                                      | °C                    | —                   |
| Breakdown Voltage<br>击穿强度           | ≥6                                             | KV/mm                 | ASTM D149           |
| RoHS Compliance 合规性                 | YES                                            | —                     | —                   |
| Shelf Life 保存期                      | 6                                              | month                 | 25±5°C, ≤50% RH     |

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.

此技术资料里所有陈述的技术信息，全部是基于本公司对自身产品在经过严格的测试评估后，证明各项技术参数指标是值得信赖的前提下编写的。在您使用我们公司产品之前，请充分评估该产品是否符合您的使用需求，您需要承担使用的全部风险和责任。