

# 导热凝胶 Thermal Gel

## 03. 双组份导热凝胶 2-part Thermal Gel

### 产品介绍 PRODUCT INTRODUCTION

双组份导热凝胶是一种常温可固化的膏状物,固化后呈现一种柔软的弹性体,适用于震动使用场合。适合自动点胶作业。

2-part thermal conductive gel is a kind of curable paste at room temperature. After cured, it's a soft elastic sheet, suitable for vibration occasion. It is also suitable for automatic dispensing operation.

### 产品特点 PRODUCT FEATURE

- 可固化,抗震动
- 适合多公差的使用场景
- 可自动化点胶
- Curable, vibration resistant
- Suitable for multi tolerance scenarios
- Automatic dispensing

### 典型应用 TYPICAL APPLICATION

- 汽车电子
- Automotive electronics
- 医疗
- Medical industry
- 发光二极管
- LED
- 中央处理器
- CPU
- IGBT 模块
- IGBT Module

### 产品参数 PRODUCT PARAMETER

| 产品型号<br>Product Name | 导热系数<br>Thermal Conductivity | 密度<br>Density     | 最小压缩厚度<br>BLT | 操作时间<br>Pot Life | 固化时间<br>Cure Time | 硬度<br>Hardness | 混合比例<br>Mix Ratio | 渗油率<br>Oil Bleeding   | 挥发性<br>Volatility | 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 |
|----------------------|------------------------------|-------------------|---------------|------------------|-------------------|----------------|-------------------|-----------------------|-------------------|-----------------------------|---------------------------------|-----------------------------|-------------------|
|                      | W/m.K                        | g/cm <sup>3</sup> | BLT           | h@25℃            | min@100℃          | Shore 00       |                   | %,压缩 50%,<br>72h@125℃ | 1000h<br>@85℃     | Ω·cm                        | ℃                               | UL-94                       | month             |
| STG/D 40 LV          | 4                            | 3.20              | 0.1           | 2                | 40                | 60             | 1:1               | /                     | 无挥发<br>冷凝物        | 10 <sup>13</sup>            | -40 ~ 150                       | V-0                         | 6                 |
| STG/D 60             | 6.3                          | 3.40              | 0.12          | 2.5              | 40                | 60             | 1:1               | /                     | /                 | 10 <sup>13</sup>            | -40 ~ 150                       | V-0                         | 6                 |
| STG/D 80 LOVO        | 8                            | 3.30              | 0.15          | 1                | 30                | 60             | 1:1               | <1                    | 无挥发<br>冷凝物        | 10 <sup>12</sup>            | -40 ~ 150                       | V-0                         | 6                 |
| STG/D 100 LOVO       | 10.2                         | 3.2               | 0.13          | 0.5              | 15                | 60             | 1:1               | <1                    | 无挥发<br>冷凝物        | 10 <sup>12</sup>            | -40 ~ 150                       | V-0                         | 6                 |