



# 导热凝胶

## THERMALGEL

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

#### 典型应用 TYPICAL APPLICATION

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

#### 产品参数 PRODUCT INTRODUCTION

| 产品型号<br>Models | 导热系数<br>Thermal Conductivity | 混合比例<br>Mix Ratio | 操作时间<br>Pot Life | 固化时间<br>Cure Time | 密度<br>Specific Gravity | 硬度<br>Hardness | 最小压缩厚度<br>BLT | 渗油率<br>Oil leakage rate | 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                       |                   | @25℃ h           | @100℃ min         | g/cm <sup>3</sup>      | shore oo       | mm            | %, 125℃ 压缩 30%          | % @125℃           | Ω • cm                      | ℃                               | UL-94                       | month             |
| STG/D 30       | 3                            | 1:1               | 12               | 12                | 3.0                    | 60             | 0.05          | <0.5                    | <0.5              | 10 <sup>-13</sup>           | -40~150                         | V0                          | 12                |
| STG/D 40       | 4                            | 1:1               | 12               | 7                 | 3.1                    | 65             | 0.05          | <0.5                    | <0.5              | 10 <sup>-13</sup>           | -40~150                         | V0                          | 12                |
| STG/D 60       | 6                            | 1:1               | 12               | 10                | 3.3                    | 60             | 0.12          | <0.5                    | <0.5              | 10 <sup>-13</sup>           | -40~150                         | V0                          | 12                |
| STG/D 80       | 8                            | 1:1               | 12               | 8                 | 3.4                    | 65             | 0.15          | <0.5                    | <0.5              | 10 <sup>-12</sup>           | -40~150                         | V0                          | 12                |
| STG/D 100      | 10                           | 1:1               | 1                | 120               | 3.1                    | 60             | 0.2           | -                       | -                 | 10 <sup>-13</sup>           | -40~150                         | V0                          | 12                |