

TG-ASD50AB 导热凝胶

Thermally Conductive Gel

REACH Compliant RoHS Compliant UL Comparable

产品特性 Features

- 优异导热性能
Good thermal conductivity
- 可搭配挤出枪方便作业，容易施工
Thermal gel gun friendly & easy assembly
- 一比一比例混合
A:B=1:1
- 室温或加热熟化
Cures at room temperature or with heat

产品应用端 Applications

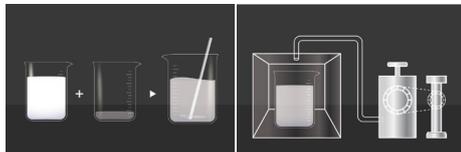
电子元件 Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

保存方式 Storage

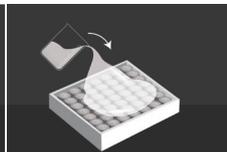
导热凝胶其在未开封之状态，在室温 25°C 以下可保存 12 个月。
Thermally Conductive Gel has a shelf-life of 12 months from the date of manufacture, as indicated by the lot number, when stored in the original, should be unopened container at or below 25°C.

操作说明 Operation Manual

罐装 Pot

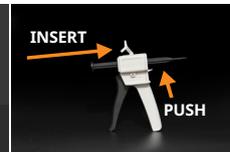


① Mix component A and B. ② Vacuum out air.



③ Pour potting compound.

双剂管 Tube



① Push the latch and insert the stick.



② Put the tube in.

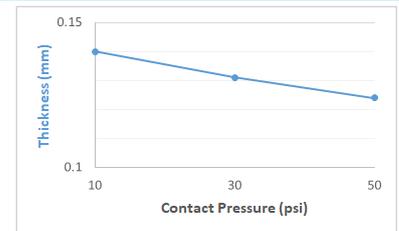
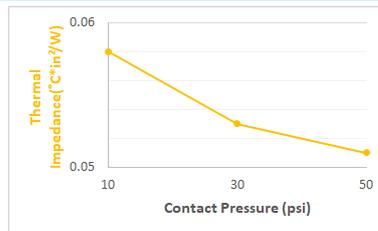


③ Close the cover.

产品物性 Properties

混合固化压力，热阻抗，厚度示意图

Curing Contact Pressure, Thermal Impedance, and Thickness



| Properties | Unit | TG-ASD50AB | Tolerance | Test Method |
|----------------------------------|---------------------|-------------------------|-----------------------------------|--------------------------|
| 导热系数 Thermal Conductivity | W/m·K | 5.0 | ±0.5 | ISO 22007-2 |
| 颜色 Color | - | A: 绿 Green / B: 白 White | - | ASTM D2244 |
| 耐电压 Dielectric Breakdown Voltage | kV/mm | 5 | ±3 | ASTM D149 |
| 体积阻抗 Volume Resistivity | Ohm·m | 10 ⁹ | 10 ⁸ ~10 ¹⁰ | ASTMD257 |
| 密度 Density | g/cm ³ | 3.05 | ±0.15 | ASTM D792 |
| 操作温度 Operating Temperature | °C | -50~+150 | - | - |
| 重量损失 Weight Loss | % | <1 | - | By T-Global |
| 黏度 Viscosity @1.0rpm | Pa·s | A:250 / B:250 | ±100 | ASTM D7395 ASTM D4287 |
| 延伸率 Elongation | % | >100 | - | ASTM D412 |
| 抗拉强度 Tensile Strength @T3.0mm | kgf/cm ² | 3 | - | ASTM D412 |
| 固化时间 Curing Time @25° C | Min | 120~240 | - | - |
| 固化时间 Curing Time @50° C | Min | 40~60 | - | - |
| 固化时间 Curing Time @80° C | Min | 20~40 | - | - |
| 标准规格 Standard Package | - | 罐装 Pot / 双剂管 Tube | - | - |
| 混合比例 Mixing Ratio | - | 1:1 | - | - |
| 硬度 Hardness | Shore OO | 40 | ±10 | ASTM D2240 |

▶ A剂与B剂皆为混合材料，因密度不同会造成沉淀分层，属正常现象，使用前请用扁平刮刀或是其他不锈钢工具，分别均匀搅拌两剂再混和，以获得最好的导热效果。
Component A & Component B are mixed material. It is normal to cause precipitation and stratification due to different density.
Well mixed component A before use by a flat spatula or other stainless tools to achieve the ideal thermal conductivity.

高柏科技股份有限公司 T-Global Techonology Co., Ltd.

330058 桃园市桃园区大仁路 50 巷 33 号 No. 33, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330058, Taiwan
T +886-3-361-8899 E service@tglobalcorp.com W www.tglobalcorp.com

Version21
20260127



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