



Li2000/Li2000A Thermal Tape

REACH Compliant

RoHS Compliant

UL Compliant

Features

- Silicone PSA
- Good adhesive
- Long time use temperature of 170° C
- Electrical insulation

Applications

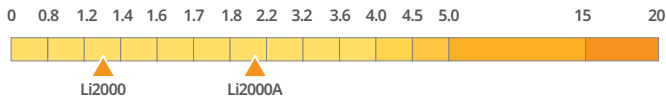
Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

Storage

T-global guarantees a 6 month shelf life at maximum continuous storage. Storage temperature should under 25°C to maintain controlled adhesion to the liner.

Properties

Thermal Conductivity : 1.3(Li2000) / 2.1(Li2000A) W/mK



| Properties | Li2000 | | Li2000A | Unit | Tolerance | Test Method |
|--|-------------------|-------------------|------------------|------------------------|-----------|-------------|
| Thermal Conductivity | 1.3 | 1.3 | 2.1 | W/mK | ±0.12 | ASTM D5470 |
| Thickness | 0.15 | 0.25 | 0.2 | mm | - | ASTM D374 |
| Color | White | | | - | - | Visual |
| Reinforcement Carrier | Fiberglass Mesh | | - | - | - | - |
| Continuous Working Temperature | -45~170 | | | ° C | - | - |
| Short time use temperature (30sec) | 288 | 288 | 260 | ° C | - | - |
| Density | 1.6 | 1.6 | 2.3 | g/cm ³ | - | ASTM D792 |
| Initial Tack | 10 | 10 | >30 | ° C | - | PSTC-6 |
| Lap Shear Strength | 74 | 76 | 35 | cm | - | ASTM D1002 |
| Die Shear Strength@25° C | 113 | 126 | 60 | N/cm ² | - | - |
| Die Shear Strength@80° C | 80 | 85 | 50 | N/cm ² | - | - |
| Die Shear Strength@150° C | 30 | 35 | 40 | N/cm ² | - | - |
| Holding Power 1000g@25° C using 1 in ² | >40000 | | | min | - | PSTC-7 |
| Holding Power 1000g@80° C using 1 in ² | >40000 | | | min | - | PSTC-7 |
| Holding Power 1000g@150° C using 1 in ² | >10000 | | | min | - | PSTC-7 |
| Tensile strength | 450 | 650 | - | psi | - | ASTM D412 |
| Dielectric Breakdown Voltage (AC) | 2 | 3.1 | 3.6 | KV | ±10% | ASTM D149 |
| Dielectric Breakdown Voltage (DC) | 3.1 | 4.1 | 4.6 | KV | ±10% | ASTM D149 |
| Volume Resistance | >10 ¹² | >10 ¹² | >10 ⁹ | Ohm-m | - | ASTM D257 |
| Thermal Impedance@10psi | 0.68 | 1.13 | 0.69 | ° C-in ² /W | - | ASTM D5470 |
| Thermal Impedance@30psi | 0.66 | 1.10 | 0.53 | ° C-in ² /W | - | ASTM D5470 |
| Thermal Impedance@50psi | 0.61 | 1.04 | 0.49 | ° C-in ² /W | - | ASTM D5470 |
| Flame Rating | V-0 | | | - | - | UL94 |

Pre-cut for different shapes

Roll type is available