

## Li98C Thermal Tape

REACH Compliant

RoHS Compliant

### Features

- Good adhesion
- Great reliability
- Cost effective with great performance
- Easy to assemble
- Customization services

### Applications

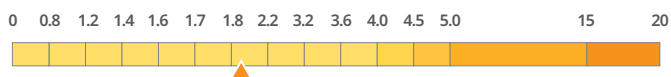
Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

### Storage

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

### Properties

#### Thermal Conductivity : 1.9 W/m·K



| Properties   | Unit                  | Li98C           |      | Tolerance | Test Method         |
|--|-----------------------|-----------------|------|-----------|---------------------|
| Thermal Conductivity                               | W/m·K                 | 1.9             | 1.9  | ±10%      | ASTM D5470 Modified |
| Thickness  | mm                    | 0.15            | 0.25 | -         | ASTM D374           |
| Color  | -                     | White           |      | -         | -                   |
| Reinforcement Carrier                              | -                     | Fiberglass Mesh |      | -         | -                   |
| Operating Temperature                              | °C                    | -30~+120        |      | -         | -                   |
| Short Time Use Temperature (30sec)                 | °C                    | 200             |      | -         | -                   |
| Density  | g/cm <sup>3</sup>     | 1.8             | 1.8  | ±5%       | ASTM D792           |
| Tensile Strength                                   | psi                   | 200             | 400  | -         | ASTM D412           |
| Glass Transition Temperature                       | °C                    | -27             | -27  | -         | -                   |
| Initial Tack                                       | cm                    | 14              | 12   | -         | PSTC-6              |
| Lap Shear Strength                                 | N/cm <sup>2</sup>     | 55              | 50   | -         | ASTM D1002          |
| Die Shear Strength @25° C                          | N/cm <sup>2</sup>     | 109             | 100  | -         | -                   |
| Die Shear Strength @80° C                          | N/cm <sup>2</sup>     | 68              | 68   | -         | -                   |
| Holding Power 1000g @25° C using 1 in <sup>2</sup> | min                   | >10000          |      | -         | PSTC-7              |
| Holding Power 1000g @80° C using 1 in <sup>2</sup> | min                   | >10000          |      | -         | PSTC-7              |
| Peeling Strength 90° (Aluminum)                    | N/in                  | >6              | >8   | -         | ASTM D3330          |
| Dielectric Breakdown Voltage (AC)                  | kV                    | ≥2              | ≥3.1 | -         | ASTM D149           |
| Dielectric Breakdown Voltage (DC)                  | kV                    | ≥3.1            | ≥4.1 | -         | ASTM D149           |
| Thermal Impedance @10psi                           | °C*in <sup>2</sup> /W | 0.64            | 0.89 | -         | ASTM D5470 Modified |
| Thermal Impedance @30psi                           | °C*in <sup>2</sup> /W | 0.60            | 0.85 | -         | ASTM D5470 Modified |
| Thermal Impedance @50psi                           | °C*in <sup>2</sup> /W | 0.53            | 0.87 | -         | ASTM D5470 Modified |

※Die-cut for different shapes

※Roll type available

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