

# Ti900

## Thermally Conductive Insulators

REACH Compliant    RoHS Compliant    UL Compliant

### Features

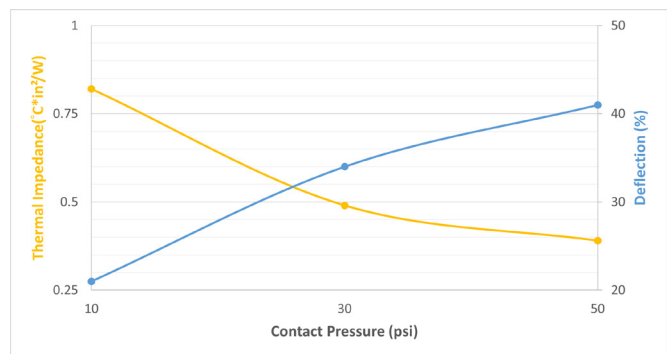
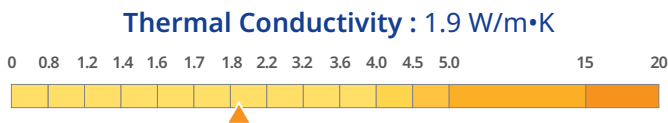
- Electrical insulation
- Low thermal impedance
- Easy to assemble

### Application:

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.

### Properties

### Contact Pressure, Thermal Impedance, and Deflection



| Properties                        | Unit  | Ti900             | Tolerance | Test Method         |
|-----------------------------------|-------|-------------------|-----------|---------------------|
| Thermal Conductivity              | W/m•K | 1.9               | ±10%      | ASTM D5470 Modified |
| Thickness                         | mm    | 0.12              | -         | ASTM D374           |
| Color                             | -     | Gray              | -         | -                   |
| Base                              | -     | Polyimide         | -         | -                   |
| Dielectric Breakdown Voltage (AC) | KV    | ≥6.1              | -         | ASTM D149           |
| Volume Resistivity                | Ohm-m | >10 <sup>12</sup> | -         | ASTM D257           |
| Operating Temperature             | °C    | -50~+180          | -         | -                   |
| Tensile Strength                  | psi   | 5000              | -         | ASTM D412           |
| Elongation                        | %     | 40                | -         | ASTM D412           |
| Flame Rating                      | -     | V-0               | -         | UL94                |
| Standard Format                   | -     | Sheet             | -         | -                   |

※Die-cut for different shapes

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