



# TG-A1450

## Ultra Soft Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

### Features

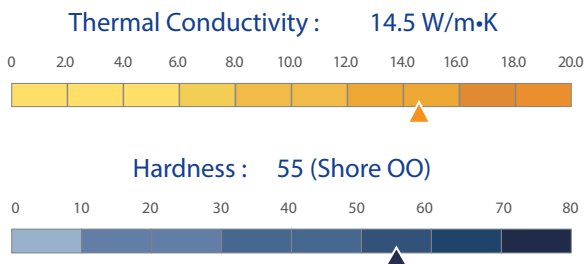
- High thermal conductivity
- Low thermal impedance
- Good electrical insulation

### Application :

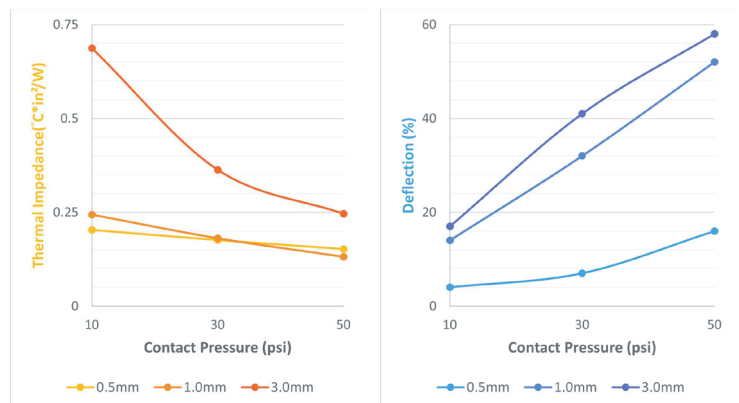
Best for high power applications

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.

### Properties



### Contact Pressure, Thermal Impedance, and Deflection



| Properties                   | Unit              | TG-A1450             | Tolerance | Test Method          |
|------------------------------|-------------------|----------------------|-----------|----------------------|
| Thermal Conductivity         | W/m·K             | 14.5                 | ± 10%     | ASTM D5470 Modified  |
| Thickness                    | mm                | 0.5~2.0              | -         | ASTM D374            |
|                              | inch              | 0.0197~0.0787        | -         | ASTM D374            |
| Color                        | -                 | Pink                 | -         | Colorimeter CIE 1976 |
| Flame Rating                 | -                 | V-0                  | -         | UL 94                |
| Dielectric Breakdown Voltage | KV/mm             | ≥8                   | -         | ASTM D149            |
| Weight Loss                  | %                 | <1                   | -         | ASTM E595 Modified   |
| Density                      | g/cm <sup>3</sup> | 3.6                  | ± 5%      | ASTM D792            |
| Operating Temperature        | ° C               | -50~+180             | -         | -                    |
| Volume Resistivity           | Ohm-m             | 7 × 10 <sup>12</sup> | -         | ASTM D257            |
| Elongation                   | %                 | 30                   | -         | ASTM D412            |
| Standard Format              | -                 | Sheet                | -         | -                    |
| Hardness                     | Shore OO          | 55                   | ± 10      | ASTM D2240           |

For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production  
 Different tolerances according to the selected thickness  
 Die-cut for different shapes