



TG-A375S / L37-5S Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

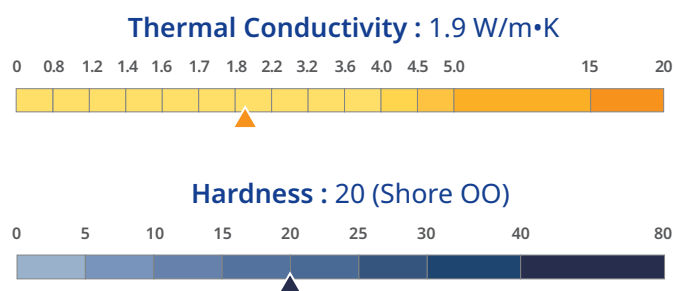
Features

- Best for filling the gap
- High compressibility
- Low hardness
- Lower pressure to heated components or PCB

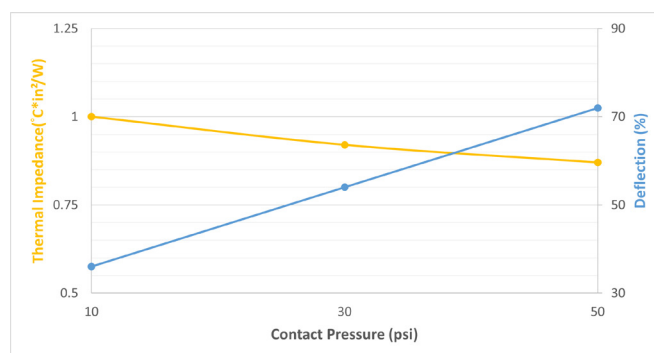
Application:

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 | TG-A375S / L37-5S | Tolerance | Test Method |
|------------------------------|----------|-------------------|-----------|----------------------|
| Thermal Conductivity | W/m·K | 1.9 | ±10% | ASTM D5470 Modified |
| Thickness | mm | 0.5~5.0 | - | ASTM D374 |
| | inch | 0.0197~0.197 | - | ASTM D374 |
| Color | - | Gray | - | Colorimeter CIE 1976 |
| Flame Rating | - | V-0 | - | UL 94 |
| Dielectric Breakdown Voltage | KV/mm | ≥16.3 | - | ASTM D149 |
| Weight Loss | % | <1 | - | ASTM E595 Modified |
| Density | g/cm³ | 2.4 | ±5% | ASTM D792 |
| Operating Temperature | °C | -45~+200 | - | - |
| Volume Resistivity | Ohm-m | >10 ¹⁰ | - | ASTM D257 |
| Elongation | % | 300 | - | ASTM D412 |
| Tensile strength | kgf/cm² | 1 | - | ASTM D412 |
| Standard Format | - | Sheet | - | - |
| Hardness | Shore OO | 20 | ±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

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