

TG2030 / TG-A2030 Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

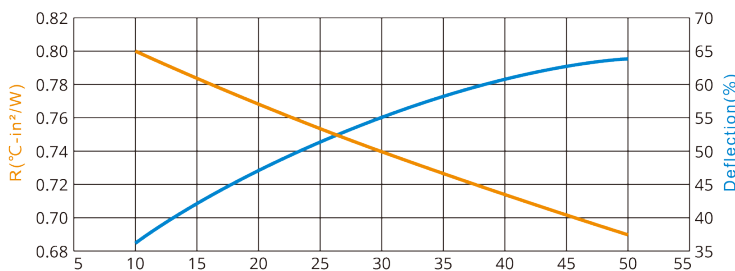
- Low oil-bleed
- Ultra soft and high compressibility
- Electrical insulation
- As a buffer in electronics

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.

Properties

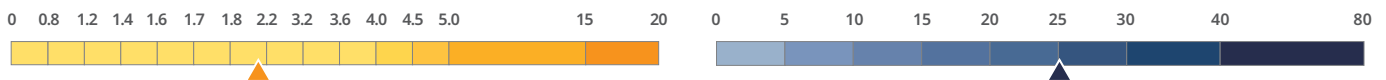
Thermal Resistance vs. Pressure vs. Deflection



| Pressure (psi) | R (°C-in²/W) | Deflection (%) |
|----------------|--------------|----------------|
| 10 | 0.80 | 36 |
| 30 | 0.74 | 55 |
| 50 | 0.69 | 64 |

Thermal Conductivity : 2.1 W/mK

Hardness : 25 (Shore 00)



| Properties | TG2030 / TG-A2030 | Unit | Tolerance | Test Method |
|------------------------------|-------------------|---------------------|-----------|-------------|
| Thermal Conductivity | 2.1 | W/mK | ±10% | ASTM D5470 |
| Thickness | 0.5~5.0 | mm | - | ASTM D374 |
| | 0.0197~0.1969 | inch | - | ASTM D374 |
| Color | White | - | - | Visual |
| Flame Rating | V-0 | - | - | UL 94 |
| Dielectric Breakdown Voltage | ≥16.3 | KV/mm | - | ASTM D149 |
| Weight Loss | <1 | % | - | ASTM E595 |
| Density | 2.4 | g/cm ³ | ±10% | ASTM D792 |
| Working Temperature | -45~+200 | °C | - | - |
| Volume Resistance | >10 ¹⁰ | Ohm-m | - | ASTM D257 |
| Elongation | 300 | % | - | ASTM D412 |
| Tensile Strength | 1 | kgf/cm ² | - | ASTM D412 |
| Standard Format | Sheet | - | - | - |
| Hardness | 25 | Shore 00 | ±10 | ASTM D2240 |

※Different tolerances according to the selected thickness
 ※Pre-cut for different shapes

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