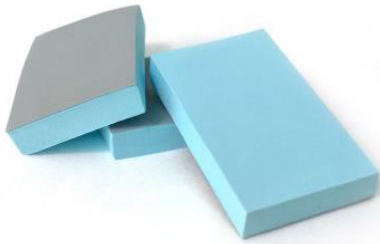


TG-A6200F

Ultra-Soft Thermal Pad

Version 2.251119



Ultra-Soft Thermal Pad

TG-A6200F is one of our high performance silicone gap pads with a thermal conductivity of 5W/mK. TG-A6200F contains a fibreglass re-enforcement carrier for enhanced tensile strength and ease of manufacture. TG-A6200F is formulated to provide superior surface wetting characteristics and provide low thermal impedance for the most demanding of applications. It is available as standard sheets and custom die-cut parts.

Features

- High thermal conductivity
- Low thermal impedance
- Fibreglass re-enforced
- Non-deforming, high tensile strength
- Electrically insulating

Applications

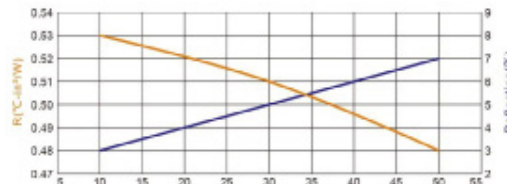
Best for high power applications
 Electronic components: IC, CPU, MOS, LED, Motherboard, Power supply, Heat Sink, LCD TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, DVD Applications, Hand-set applications, etc.

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

| Property | TG-A6200F | Unit | Tolerance | Test Method |
|------------------------------|--------------------|-------------------|-----------|-------------|
| Colour | Blue | - | - | Visual |
| Thickness | 0.5 - 8.0 | mm | - | ASTM D374 |
| | 0.0197 - 0.315 | inch | - | ASTM D374 |
| Thermal Conductivity | 5 | W/mK | ±0.62 | ASTM D5470 |
| Flammability Rating | V-0 | - | - | UL 94 |
| Dielectric Breakdown Voltage | >6 | kV/mm | ±1.3 | ASTM D149 |
| Weight Loss | <1 | % | - | ASTM E595 |
| Density | 3.1 | g/cm ³ | - | ASTM D792 |
| Working Temperature | -50 to +150 | °C | - | - |
| Volume Resistance | 1x10 ¹³ | Ohm-m | - | ASTM D257 |
| Elongation | 50 | % | - | ASTM D412 |
| Hardness | 50 | Shore 00 | ±5 | ASTM D2240 |

Thermal Impedance vs Pressure vs Deflection



| Pressure (psi) | R (°C-in/W) | Deflection (%) |
|----------------|-------------|----------------|
| 10 | 0.53 | 3 |
| 30 | 0.51 | 5 |
| 50 | 0.48 | 7 |

* Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

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