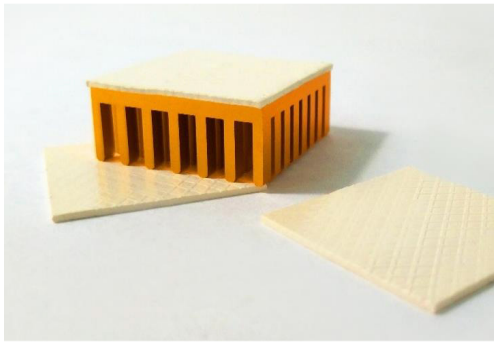




TG-A3500

Ultra-Soft Thermal Pad

Version 3.251019



Ultra-Soft Thermal Conductive Pad

TG-A3500 is an ultra-soft, silicone based thermal interface material. TG-A3500 has a low thermal impedance, conforms readily to surfaces due to its low hardness and provides a high dielectric breakdown voltage. TG-A3500 can be provided in various thicknesses and formats, such as custom die cuts, standard sheets depending on the end application.

Features

- Very good thermal conductivity
- Highly compressible and compliant
- Naturally tacky

Applications

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

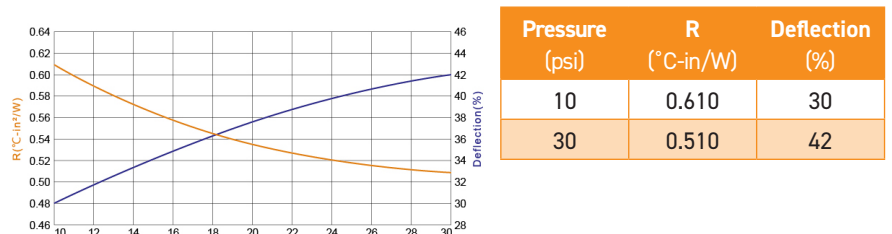
Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

| Property | TG-A3500 | Unit | Tolerance | Test Method |
|------------------------------|--------------------|-------------------|-----------|-------------|
| Colour | Yellow | - | - | Visual |
| Thickness | 0.5 - 8.0 | mm | - | ASTM D374 |
| | 0.0197 - 0.315 | Inch | - | ASTM D374 |
| Thermal Conductivity | 3.5 | W/mK | ±0.35 | ASTM D5470 |
| Flammability Rating | V-0 | - | - | UL 94 |
| Dielectric Breakdown Voltage | 6 | kV/mm | - | ASTM D149 |
| Weight Loss | <1 | % | - | ASTM E595 |
| Density | 2.3 | g/cm ³ | - | ASTM D792 |
| Working Temperature | -50 to 150 | °C | - | - |
| Volume Resistance | 8x10 ¹² | Ohm-cm | - | ASTM D257 |
| Elongation | 80 | % | - | ASTM D412 |
| Hardness | 30 | Shore 00 | ±5 | ASTM D2240 |
| Standard Format | Sheets | - | - | - |

Testing sample thickness: 1.0mm - In "Thermal resistance vs. Pressure vs Deflection" chart, TG-A3500 provides low thermal impedance. As the pressure increases, the thermal impedance gets lower, and deflection percentage gets higher. TG-A3500 provides good compliance and softness.

Thermal Impedance vs Pressure vs Deflection



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

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