



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



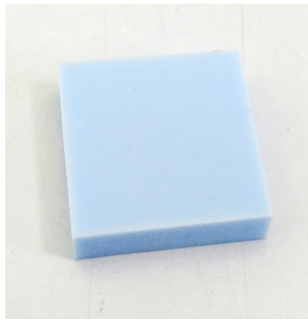
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TG 997

Silicone Thermal Pad

Version 1.131017

Silicone Thermal Pad

TG-997 is a soft, silicone thermal pad, suitable for use as thermal interface material or heat sink to dissipate the heat from electronic devices, especially in integrated circuit (IC) and LED packaging. TG-997 offers low thermal impedance, good surface compliance and a high dielectric breakdown voltage. This thermal pad has very low hardness and elasticity, and yet provides high thermal conductivity, good high temperature resistance and good electrical insulation. TG997 can be supplied in a wide range of formats ranging from custom die cut parts to standard sheets in a range of thicknesses depending on the end application.

Features

- Very good thermal conductivity
- Very soft and high compressibility
- Natural tack
- Easy to assemble
- Very good insulator

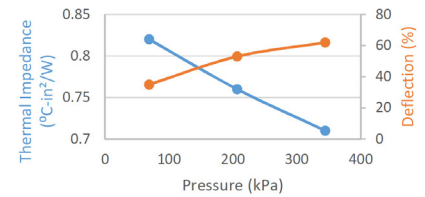
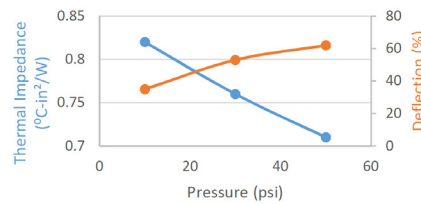
Applications

Heat dissipation from electronic components.

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Thermal Impedance vs Pressure



| Property | TG 997 | Unit | Tolerance | Test Method |
|-----------------------|------------|---------|-----------|-------------|
| Appearance | Blue | - | | - |
| Operating temperature | -40 to 200 | °C | | ASTM D412 |
| Thermal Conductivity | 2.4 | W/mK | | ASTM D5470 |
| Density | 1.8 | g/cm³ | | ASTM D792 |
| Hardness | 10 | Shore A | | ASTM D4120 |

Part Number Information

TG 997

| Product | Length | Width | Thickness |
|---------|--------|-------|-------------|
| TG 997 | 288 | 192 | 0.5mm-5.0mm |

* All measurements in mm

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TG 997 Silicone Thermal Pad

Dimensional Tolerance

| Die-Cut Thickness Tolerances | Thickness (mm) | Tolerance (mm) |
|---|-----------------------|-----------------------|
| | 0.3 | ±0.03 |
| | 0.5 | ±0.05 |
| | 0.8 | ±0.08 |
| | 1.0 | ±0.1 |
| | 1.2 | ±0.12 |
| | 1.5 | ±0.15 |
| | 2.0 | ±0.2 |
| | 2.5 - 3.5 | ±0.25 |
| | 4.0 - 4.5 | ±0.3 |
| | 5.0 | ±0.35 |
| | 6.0 - 8.0 | ±0.4 |
| | 9.0 | ±0.45 |
| | 10.0 | ±0.5 |
| >10.0 | ±0.5 | |

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