



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!



## Contact us

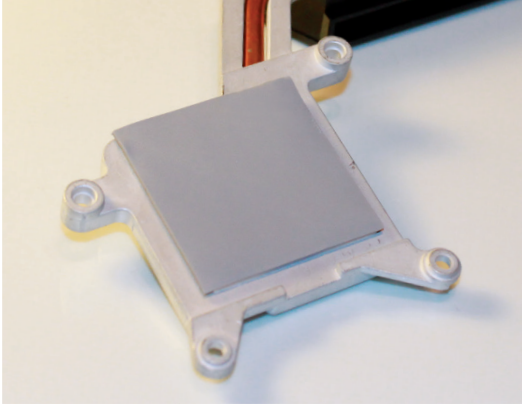
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# TG-X Ultra Soft Thermal Conductive Pad



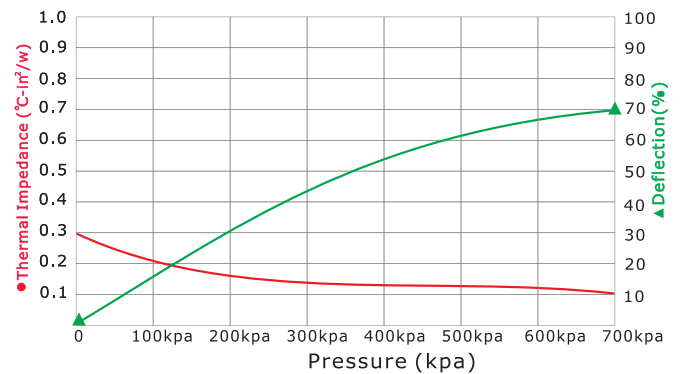
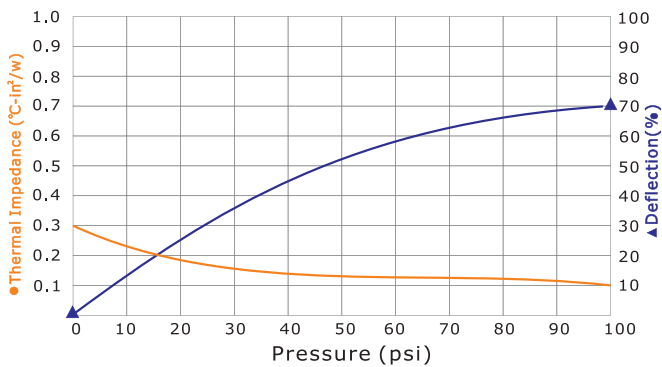
## Features

- Superior thermal conductivity
- Highly compressible
- Naturally tacky
- Low Shore 00 hardness
- Low oil bleed
- Electrically insulating

## Applications

- Electronic components: IC / CPU / MOS
- LED / M/B / P/S / Heat Sink / LCD-TV / Notebook PC / PC / Telecom Device / Wireless Hub etc....
- DDR II Module / DVD Applications / Hand-Set applications etc...

## Thermal Resistance V.S Pressure V.S Deflection

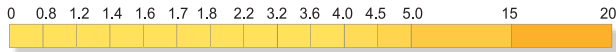


## Properties

Thermal Conductivity: 12 W/mK  
(W/mK - Z Axis)

Hardness: 60 (Shore 00)  
(Shore 00)

- REACH Compliant
- RoHS Compliant



Testing sample thickness : 1.0 mm

In the thermal resistance vs pressure vs deflection charts TG-X provides low thermal impedance. As the pressure increases the thermal impedance decreases. TG-X provides good compliance and softness.

| Property                                 | TG-X              | Unit              | Tolerance | Test Method |
|--|-------------------|-------------------|-----------|-------------|
| Colour                                   | Grey              | -                 | -         | Visual      |
| Thickness<br>(Available thickness range) | 0.5 / 1.0         | mm                | -         | ASTM D374   |
|  | 0.0197 - 0.0394   | inch              | -         | ASTM D374   |
| Thermal Conductivity                     | 12                | W/mK              | -         | ASTM D5470  |
| Flammability Rating                      | V-0               | -                 | -         | UL 94       |
| Dielectric Breakdown Voltage             | 12                | kV/mm             | -         | ASTM D149   |
| Weight Loss                              | <1                | %                 | -         | ASTM E595   |
| Specific Gravity                         | 3.4               | g/cm <sup>3</sup> | ±0.2      | ASTM D792   |
| Working Temperature                      | -45 to 200        | °C                | -         | -           |
| Volume Resistance                        | >10 <sup>11</sup> | Ohm-cm            | -         | ASTM D257   |
| Standard Shape                           | -                 | Sheets 320-320mm  | -         | -           |
| Hardness                                 | 60                | Shore 00          | ±5        | ASTM D2240  |

Available with an adhesive backing

