



ENGLISH

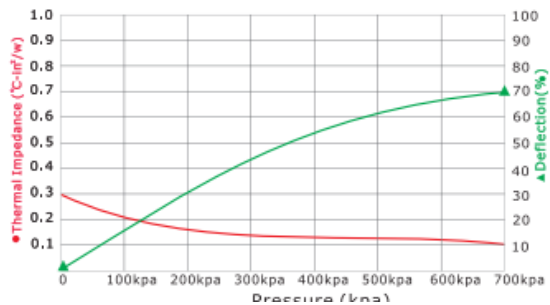
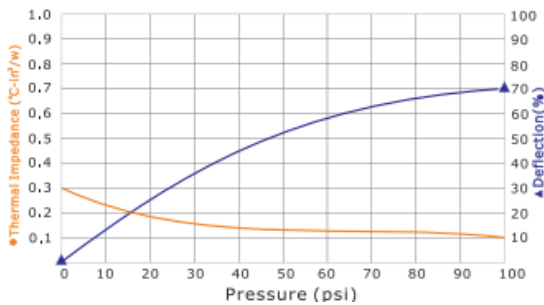
# Datasheet

## Thermal Interface Sheet, Gel Pad, 12W/m.K, 150 x 150 x 0.5 mm

RS Stock number [707-4774](#)

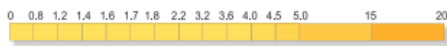


### Thermal Resistance VS Pressure VS Deflection



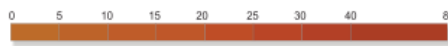
### Properties

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



Testing sample thickness : 1.0 mm

Hardness: 60 (Shore 00)  
(Shore 00)





## Features

- Superior thermal conductivity
- High compressible
- Removable Protective Film
- Low shore 00 hardness
- Low oil bleed
- Electrically insulating

## Applications

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

| 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  |