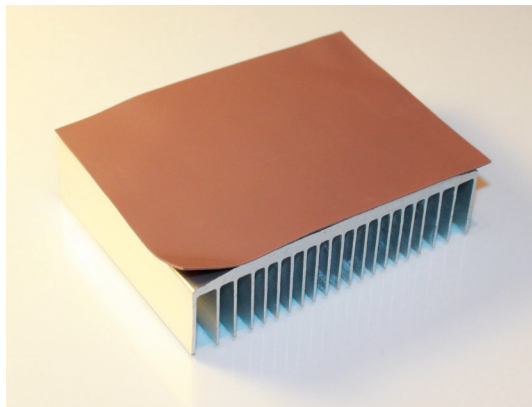


# H48-2

## Thermal Conductive Pad



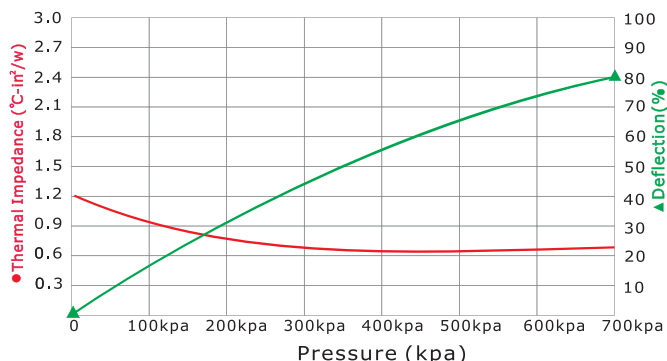
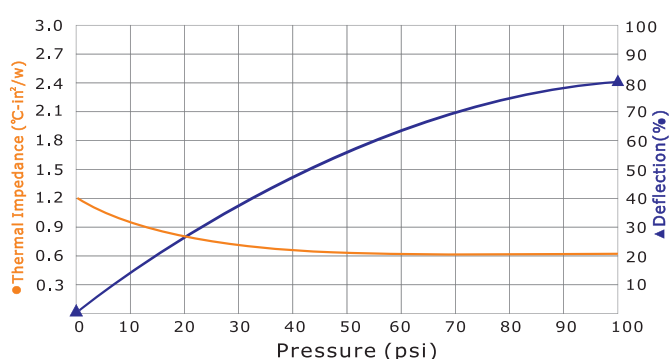
### Features

Good thermal conductivity  
Ultra soft and high compressibility  
Natural tack  
Easy to assemble  
Good insulator  
Shock and vibration absorber

### Applications

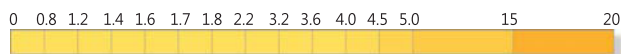
Electronic components: IC / CPU / MOS  
LED / M/B / P/S / Heat Sink / LCD-TV / Notebook PC / PC / Telecom Device /  
Wireless Hub etc....  
DDR II Module / DVD Applications / Hand-Set applications etc...

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



### Properties

Thermal Conductivity: 2.2 W/mK  
(W/mK - Z Axis)



Testing sample thickness :1.0 mm

REACH Compliant  
RoSH Compliant

Hardness: 10 (Shore A)  
(Shore A)

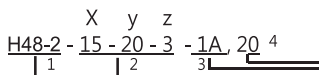


In the thermal resistance vs pressure vs deflection charts H48-2 provides low thermal impedance.

As the pressure increases the thermal impedance decreases. H48-2 provides good compliance and softness.

| Property                                 | L37-3             | Unit             | Tolerance | Test Method |
|------------------------------------------|-------------------|------------------|-----------|-------------|
| Colour                                   | Dark Red          | -                | -         | Visual      |
| Thickness<br>(Available thickness range) | 0.2 - 20          | mm               | -         | ASTM D374   |
|                                          | 0.0078 - 0.7874   | inch             | -         | ASTM D374   |
| Thermal Conductivity                     | 2.2               | W/mK             | -         | ASTM D5470  |
| Flammability Rating                      | V-0               | -                | -         | UL 94       |
| Dielectric Breakdown Voltage             | >5                | kV/mm            | -         | ASTM D149   |
| Weight Loss                              | <1                | %                | -         | ASTM E595   |
| Specific Gravity                         | 2.43              | g/cm³            | ±0.2      | ASTM D792   |
| Working Temperature                      | -40 to 200        | °C               | -         | -           |
| Volume Resistance                        | >10 <sup>12</sup> | Ohm-cm           | -         | ASTM D257   |
| Elongation                               | 282               | %                | ±0.28     | ASTM D412   |
| Tensile Strength                         | 7                 | Kgf/cm²          | ±2        | ASTM D412   |
| Standard Shape                           | -                 | Sheets 320-320mm | -         | -           |
| Hardness                                 | 10                | Shore A          | ±2        | ASTM D2240  |

Available with an adhesive backing



1. Part Number
2. Size X-Y-Z
3. Adhesive backing - 0=None, 1A-one side, 2A-two sides
4. Quantity