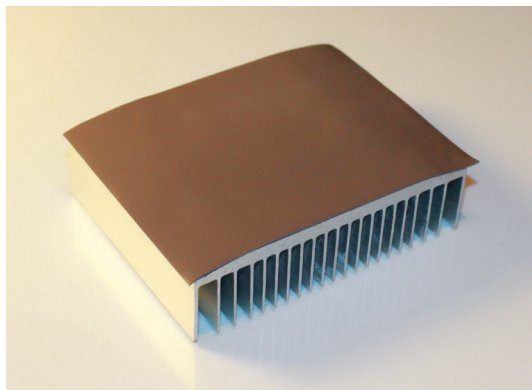


# H48-6A

## Thermal Conductive Pad



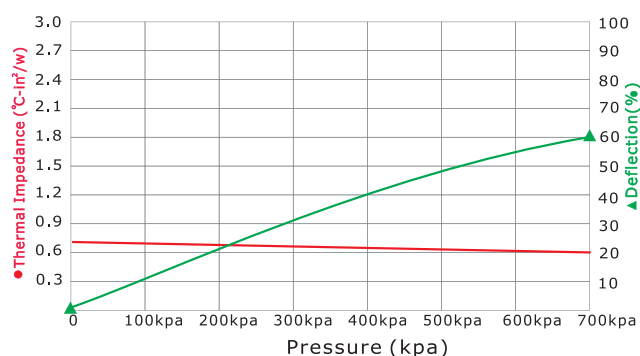
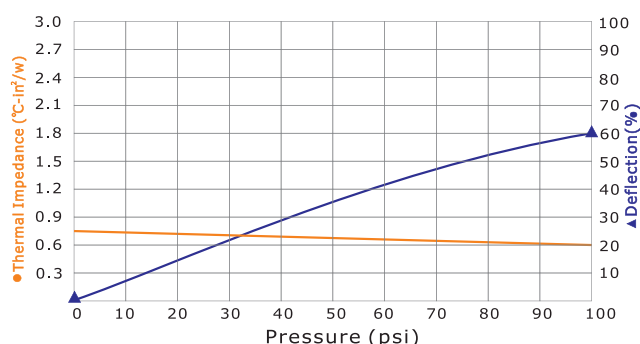
### Features

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

### 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

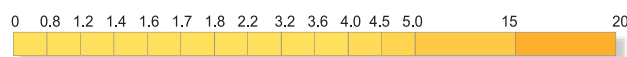


### Properties

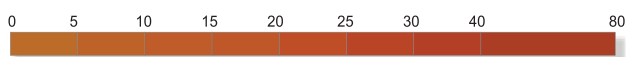
Thermal Conductivity: 4 W/mK  
(W/mK - Z Axis)

REACH Compliant  
RoHS Compliant

Hardness: 25 (Shore A)  
(Shore A)



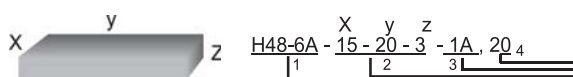
Testing sample thickness : 1.0 mm



In the thermal resistance vs pressure vs deflection charts H48-6A provides low thermal impedance.  
As the pressure increases the thermal impedance decreases. H48-6A provides good compliance and softness.

| Property                                 | H48-6A            | Unit             | Tolerance | Test Method |
|------------------------------------------|-------------------|------------------|-----------|-------------|
| Colour                                   | Henna             | -                | -         | Visual      |
| Thickness<br>(Available thickness range) | 0.3 - 20          | mm               | -         | ASTM D374   |
|                                          | 0.0118 - 0.787    | inch             | -         | ASTM D374   |
| Thermal Conductivity                     | 4                 | 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                         | 2.48              | g/cm³            | ±0.2      | ASTM D792   |
| Working Temperature                      | -40 to 200        | °C               | -         | -           |
| Volume Resistance                        | >10 <sup>11</sup> | Ohm-cm           | -         | ASTM D257   |
| Elongation                               | 120               | %                | ±13       | ASTM D412   |
| Tensile Strength                         | 8                 | Kgf/cm²          | ±2        | ASTM D412   |
| Standard Shape                           | -                 | Sheets 320-320mm | -         | -           |
| Hardness                                 | 25                | Shore A          | ±5        | 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