

## H48-6 / TG-AH486 Thermal Pad

REACH Compliant

RoHS Compliant

UL Compliant

### Features

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

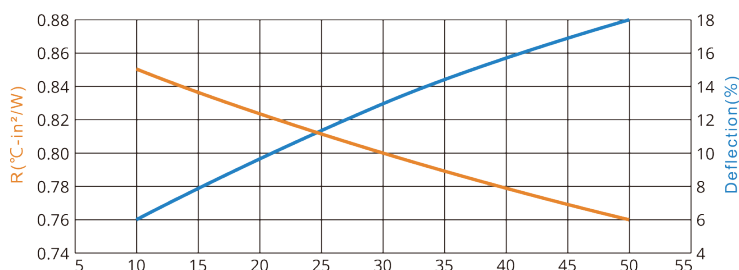
### Applications

Products of server, IPC

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

### Properties

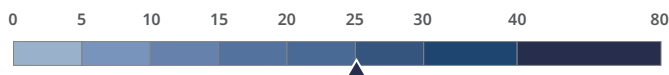
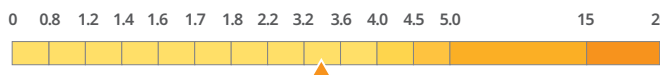
#### Thermal Resistance vs. Pressure vs. Deflection



| Pressure(psi) | R(°C-in²/W) | Deflection(%) |
|---------------|-------------|---------------|
| 10            | 0.85        | 6             |
| 30            | 0.80        | 13            |
| 50            | 0.76        | 18            |

Thermal Conductivity : 3.4 W/mK

Hardness : 25 (Shore A)



| Properties                   | H48-6 / TG-AH486  | Unit    | Tolerance | Test Method |
|------------------------------|-------------------|---------|-----------|-------------|
| Thermal Conductivity         | 3.4               | W/mK    | ±10%      | ASTM D5470  |
| Thickness                    | 0.3~20.0          | mm      | -         | ASTM D374   |
|                              | 0.0118~0.787      | inch    | -         | ASTM D374   |
| Colour                       | Dark Grey         | -       | -         | Visual      |
| Flame Rating                 | V-0               | -       | -         | UL 94       |
| Dielectric Breakdown Voltage | 2                 | KV/mm   | ±10%      | ASTM D149   |
| Weight Loss                  | <1                | %       | -         | ASTM E595   |
| Density                      | 2.42              | g/cm³   | ±10%      | ASTM D792   |
| Working Temperature          | -40~+200          | °C      | -         | -           |
| Volume Resistance            | >10 <sup>11</sup> | Ohm-m   | -         | ASTM D257   |
| Elongation                   | 130               | %       | -         | ASTM D412   |
| Tensile Strength             | 8                 | kgf/cm² | -         | ASTM D412   |
| Standard Format              | Sheet             | -       | -         | -           |
| Hardness                     | 25                | Shore A | ±5        | ASTM D2240  |

Pre-cut for different shapes

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T-Global Technology are proud to announce the launch of a new company logo and mission statement as part of the ongoing growth and evolution of our company's brand.

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