

## THERMAL PAD - DT30-H25

### Features

- Thermal conductivity: 3.0 W/mK
- High conformability
- Cost effective solution
- Electrically insulating
- Naturally sticky
- Custom die-cut parts: custom configurations available



### Applications

- Between electronic components: semiconductors, ICs, CPUs, MOS and heatsink
- LEDs, LCD TV, telecom devices, wireless hubs, PCs, power supply etc.
- Cooling and thermal modules
- In all applications where a metal housing is used as heatsink



Part number code (example):

**UDT 10/H10 - T 10**

- Thickness: 1.0 mm
- Hardness: 10 Shore C
- Thermal Conductivity: 1.0 W/mK
- UDT: Thermal Pad

### TECNITE DT30-H25

| Properties            | Unit    | DT30-H25                                                                                                                                                                                                                                                                                                                                 | Test Method       |
|-----------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Composition           |         | Silicone & ceramic filled                                                                                                                                                                                                                                                                                                                |                   |
| Colour                |         | Blue                                                                                                                                                                                                                                                                                                                                     |                   |
| Thickness range       | mm      | 0.5 - 5.0                                                                                                                                                                                                                                                                                                                                | ASTM D734         |
| Hardness              | Shore C | 35±5                                                                                                                                                                                                                                                                                                                                     | ASTM D2240        |
| Density               | g/cc    | 3.0                                                                                                                                                                                                                                                                                                                                      | ASTM D792         |
| Temperature range     | °C      | -40 to 150                                                                                                                                                                                                                                                                                                                               |                   |
| Breakdown voltage     | kV/mm   | ≥5.0                                                                                                                                                                                                                                                                                                                                     | ASTM D149         |
| Volume impedance      | ohm*cm  | 10 <sup>12</sup>                                                                                                                                                                                                                                                                                                                         | ASTM D257         |
| Weight dampify        | %       | ≤1                                                                                                                                                                                                                                                                                                                                       | 25 % @ 125 °C 48H |
| Thermal conductivity  | W/mK    | 3.0±0.3                                                                                                                                                                                                                                                                                                                                  | ISO 22007-2       |
| Tensile strength      | KN/m    | 0.30                                                                                                                                                                                                                                                                                                                                     | ASTM D5470        |
| Elongation            | %       | 64                                                                                                                                                                                                                                                                                                                                       | ASTM D150         |
| Compliances           |         | UL 94 V-0, RoHS, REACH                                                                                                                                                                                                                                                                                                                   |                   |
| Sheet size            |         | Standard: 200*400 mm                                                                                                                                                                                                                                                                                                                     | ASTM 1204         |
| Shelf life            |         | 12 months                                                                                                                                                                                                                                                                                                                                | < 40 °C           |
| Custom configurations |         | Custom die-cut parts available.<br>Available with acrylic PSA tape for improved application on one or both sides: <ul style="list-style-type: none"> <li>• 3M Double Coated Tape 9448HK (will make the pad 0.15 mm thicker on both sides)</li> <li>• 3M Transfer Tape 3M467 (will make the pad 0.06 mm thicker on both sides)</li> </ul> |                   |

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