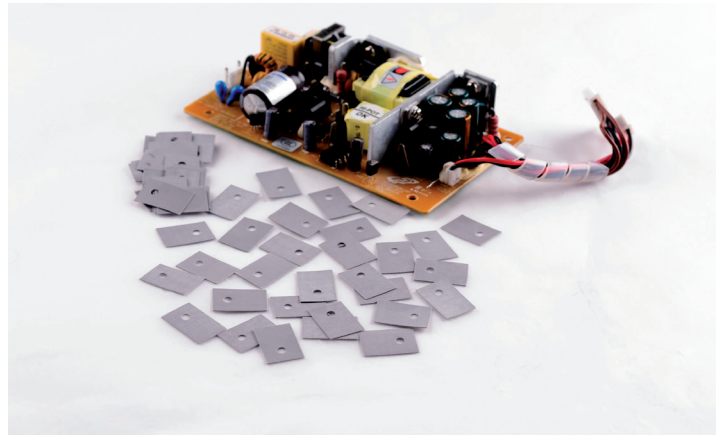


## THERMAL PAD - DTI90S

### Features

- Thermal conductivity: 1.6 W/mK
- Resistant to tears and punctures
- Cost effective solution
- High dielectric breakdown of up to 5.0 kV/mm
- Custom die-cut parts: custom configurations available



### Applications

- Electrical power generators
- Switching mode power supplies
- Singal amplifiers
- Medical equipment
- PC server/workstations
- AC/DC power converters



### TECNITE DTI90S

| Properties           | Unit                  | DTI90S                                                                | Test Method   |
|----------------------|-----------------------|-----------------------------------------------------------------------|---------------|
| Composition          |                       | silicone & fiberglas                                                  |               |
| Colour               |                       | Brown red                                                             |               |
| Thickness range      | mm                    | 0.23 (±0.3)                                                           |               |
| Hardness             | Shore A               | 75 (±5)                                                               | ASTM D2240    |
| Density              | g/ml                  | 2.5                                                                   | ASTM D792     |
| Elongation           | %                     | -                                                                     | ASTM D412     |
| Temperature range    | °C                    | -40 to 150                                                            | EN344         |
| Breakdown voltage    | kV/mm                 | ≥5.0                                                                  | ASTM D149     |
| Volume impedance     | ohm*cm                | 1.7*10 <sup>16</sup>                                                  | ASTM D257     |
| Weight damnify       | %                     | ≥1                                                                    | @ 150 °C 240H |
| Thermal conductivity | W/mK                  | 1.6                                                                   | ASTM E1461    |
| Thermal impedance    | °C-in <sup>2</sup> /W | 0.663 @ 10 psi<br>0.620 @ 25 psi<br>0.568 @ 50 psi<br>0.526 @ 100 psi |               |
| Compliances          |                       | UL 94 V-0                                                             |               |
| Sheet sizes          |                       | Standard: Die-cut rolls: width: 300 mm * length: 50 m                 |               |

Custom die-cut parts available.

Available with acrylic PSA tape for improved application on one or both sides:

- 3M Double Coated Tape 9448HK (will make the pad 0.15 mm thicker on both sides)
- 3M Transfer Tape 3M467 (will make the pad 0.06 mm thicker on both sides)

Custom configurations

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