

## T-P-9 Series – Void Filler (0.50 – 5.00mm Shore 00 65/80)

### DATASHEET



#### FEATURES

- Ultra-Soft with High Compressibility
- 5.0 W/mK Thermal Conductivity
- Low Thermal Impedance
- UL94 V0 Recognised
- Naturally Tacky

#### APPLICATIONS

- Electronic Components: IC, CPU, MOS, LED, M/B, P/S, Heat Sinks, LCD-TV's, Notebook PC, PC, Telecommunication Devices
- Wireless Hubs, DDR Modules, DVD Applications, Hand-set Applications etc.

| PROPERTIES                         | TEST METHOD                | UNIT              | T-P-9 SERIES                             |
|------------------------------------|----------------------------|-------------------|------------------------------------------|
| Material                           | -                          | -                 | Ceramic Powder filled with Silicon Resin |
| Colour                             | Visual                     | -                 | Copper                                   |
| Thickness (±10%)                   | ASTM-D374                  | mm                | 0.50 – 5.00                              |
| Increments of 0.25mm/0.01inch      |                            | inch              | 0.02 – 0.20                              |
| Hardness (±10)                     | ASTM-D2240                 | Shore 00          | 65 (≥1.0mm)<br>80 (<1.0mm)               |
| Thermal Conductivity               | ASTM-D5470                 | W/mK              | 5.0                                      |
| Flammability Rating                | UL94 V0<br>IEC 60695-11-10 | -                 | UL94-V0                                  |
| Dielectric Breakdown Voltage (1mm) | ASTM-D149                  | kV                | ≥6                                       |
| Permittivity (1MHz)                | ASTM-D150                  | -                 | 6.70                                     |
| Specific Gravity (±0.2)            | ASTM-D792                  | g/cm <sup>3</sup> | 3.21                                     |
| Working Temperature                | EM344                      | °C                | -40 to 200                               |
| Volume Resistance                  | ASTM-D257                  | Ohm-cm            | 10 <sup>8</sup>                          |
| Tensile Strength                   | ASTM-D412-1998A            | MPa               | 0.15                                     |

Note:

1. Customised shapes are available;
2. The above performance data is tested in an environment of 70% humidity, temperature 25°C.
3. This data is intended for reference purposes only. It is recommended that the material is tested to fully evaluate its performance ensuring it is fit for purpose.

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