

T-P-9 SERIES — VOID FILLER (0.50 — 5.00MM SHORE 00 65/80)



DATASHEET



T-P-9 Series (0.50-5.00mm Shore 00 65/80)

FEATURES

- Soft with High Conformability
- 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 filled silicon elastomer
Colour	Visual	-	Copper
Thickness (±10%) Increments of 0.25mm/0.01inch	-	-	0.5-5.00 0.02-0.20
Thermal Conductivity	ASTM-D5470	W/mK	5.0
Hardness (±10)	ASTM-D2240	Shore 00	65 (≥1.00mm) 80 (<1.00mm)
Flammability Rating	UL94	-	V0
Breakdown Voltage (1.0mm)	ASTM-D149	kV	≥7.5
Specific Gravity	-	g/cm ³	3.11
Working Temperature	-	°C	-40 - 200
Volume Resistance	ASTM-D257	Ohm-cm	10 ¹²
Tensile Strength	ASTM-D412-1998A	Mpa	0.15

THERMAL IMPEDANCE (1.2MM/SHORE 00 60)

Deflection Rate (%)	10	20	30
Thermal Impedance (°C-in ² /W)	0.46	0.41	0.36

NOTES

- Customised shapes are available
- The above performance data is tested in an environment of 70% humidity, temperature 25 °C
- 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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