

# TP 800

## Ultra Performance Gap Filler Pad

TP800 thermal conductive silicone pad is a very high thermal conductivity material, the surface consistency is very excellent, can be used to fill small gaps and uneven surfaces, and reliable contact with various shapes and sizes of parts. Low compression force shows lower thermal resistance and better electrical insulation characteristics.



### Features and Benefits

- 8.0W/m.K
- Naturally tacky, easing application
- Excellent, high volume applications
- High thermal conductivity

### Typical Applications

- Networking and Telecommunications
- IT: BGA, ASIC, VRM, high speed storage
- Industrial: LEDs, Power Supplies and Conversion
- Automotive: Control Modules, Turbo Actuators
- Consumer Electronics: Gaming Systems, LCDs, and Graphic Cards

Typical Properties		
Attribute	Value	Test Method
	TP 800	-
Composition	Ceramic Filler + Silicone	-
Color	Red	Visual
Thickness (mm)	0.5 to 10.0	ASTM D374
Density (g/cc)	3.35	ASTM D792
Hardness (Shore OO)	55(Thickness≤1.0 Shore OO 60)	ASTM D2240
Usage Temperature (°C)	- 40 to 150	-
Electrical		
Breakdown Voltage (kV/mm)	>6.0	ASTM D149
Volume Resistivity (Ω.cm)	10 <sup>12</sup>	ASTM D257
Dielectric Constant @1MHz	7.2	ASTM D150
Flammability	V-0	UL 94
Thermal		
Thermal Conductivity (W/m.K)	8.0	ISO 22007-2

### Storage

Store in a cool, dry, well-ventilated place.

### Shelf life

Shelf life of the product is 12 months after date of shipment

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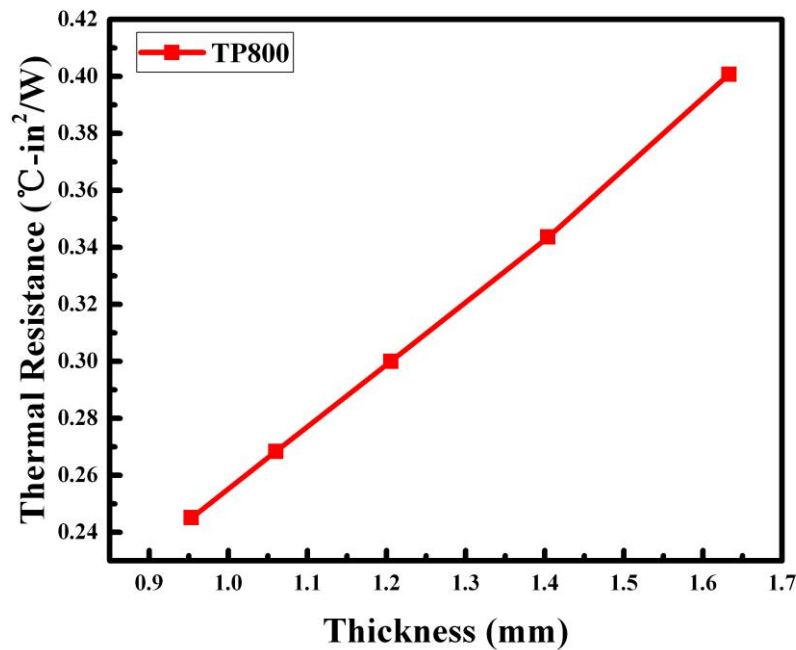


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### Thickness vs. Thermal Resistance

Reference only



### Pressure vs. Deflection

Reference only

