

TP 150-S

Soft, Gap Filler Pad

TP150-S thermal conductive silicone pad is a product that takes into account performance and economy. It is a unique thermal conductive gasket with low thermal resistance, super softness and high compliance. At -40℃~150℃ can be fixed to work, meet the requirements of UL94V0 flame retardant grade.



Features and Benefits

- 1.5 W/m.K
- Ultra soft and highly compliant
- Naturally tacky, easing application
- High electrical insulation
- Good temperature resistance

Typical Applications

- Networking and Telecommunications
- IT: Notebooks, Tablets, Power Conversion
- Industrial: LEDs, Power Supplies and Conversion
- Automotive: Control Modules, Turbo Actuators
- Consumer Electronics: Gaming Systems, and LCDs

Typical Properties		
Attribute	Value	Test Method
	TP 150-S	-
Composition	Ceramic Filler + Silicone	-
Color	Light Grey	Visual
Thickness (mm)	0.5 to 10.0	ASTM D374
Density (g/cc)	2.5	ASTM D792
Hardness (Shore OO)	40(Thickness≤0.75 Shore OO 55)	ASTM D2240
Usage Temperature (°C)	- 40 to 150	-
Electrical		
Breakdown Voltage (kV/mm)	≥ 7.0	ASTM D149
Volume Resistivity (Ω.cm)	10 ¹³	ASTM D257
Dielectric Constant @1MHz	6.66	ASTM D150
Flammability	V-0	UL 94
Thermal		
Thermal Conductivity (W/m.K)	1.5	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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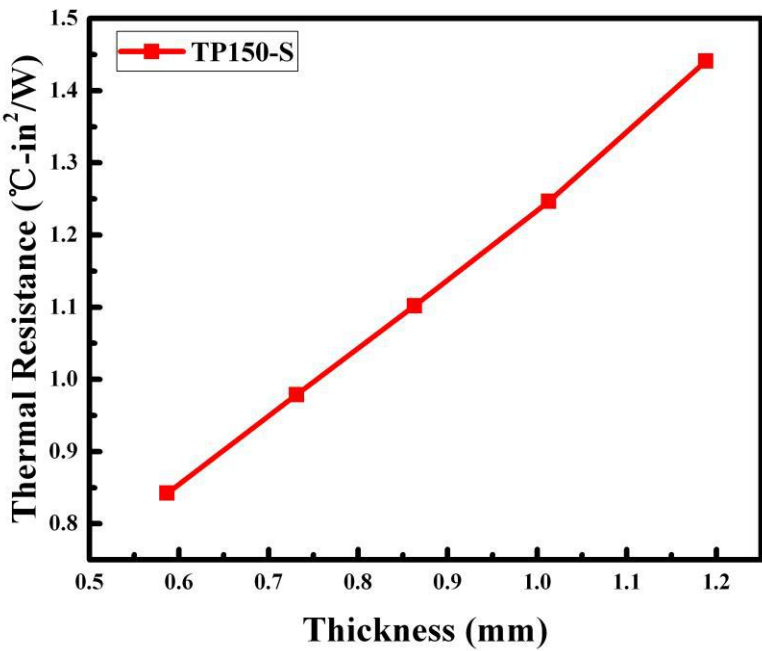


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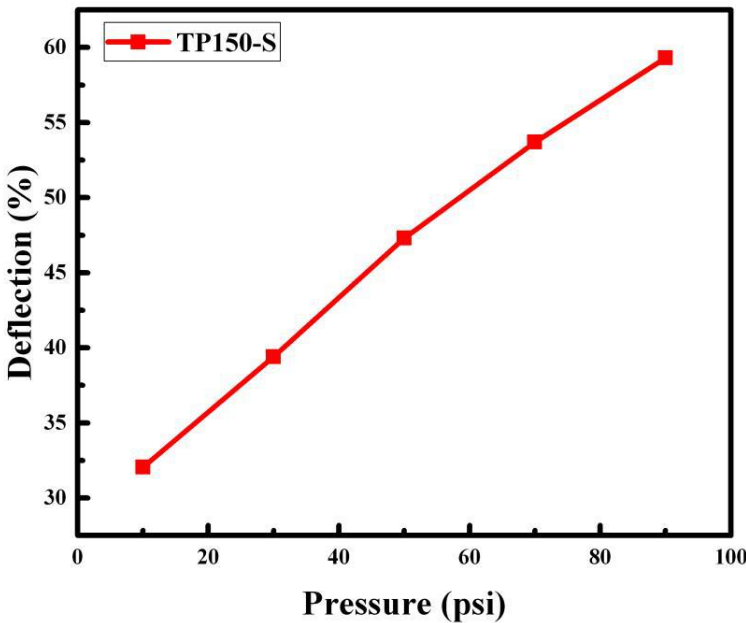
Thickness vs. Thermal Resistance

Reference only



Pressure vs. Deflection

Reference only



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