



TIF® PT150 is a soft silicone gel-based gap filler pad, formulated with a special blend of fillers to provide both excellent thermal conductivity and superior softness. Compared to conventional thermal greases, it has a higher viscosity, which effectively prevents filler separation from the silicone matrix and reduces filler migration, helping maintain consistent thermal performance. It is applied in a similar manner to thermal grease and is suitable for commercial dispensing or automated equipment.

Features

- › Excellent thermal conductivity
- › Soft, very low compression
- › Low thermal impedance
- › Operate automatically
- › Proven long-term reliability

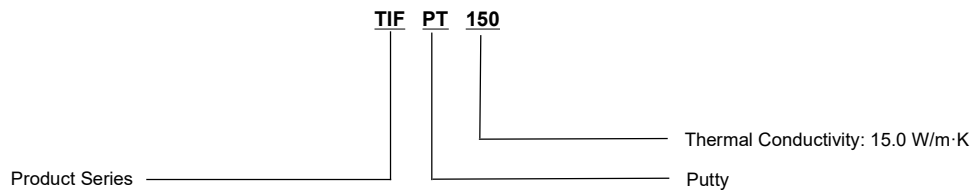
Applications

- › Heat-sink & frame
- › LED backlight module, LED lighting
- › High speed hardware driver
- › Micro heat pipe
- › Vehicel enginee controller
- › Telecom industry
- › Semiconductor automatic laboratory equipment

Typical Properties of TIF® PT150

Property	Value	Test Method
Color	White	Visual
Construction	Ceramic filled silicon material	-
Flow Rate (g/min)	22	Ziitek Test Method (30 cc syringe/ 2.5 mm orifice / 75 psi)
Density (g/cm ³)	3.3	ASTM D792
Thermal Conductivity (W/m·K)	15.0	ASTM D5470
Thermal Impedance (°C·in ² /W) @10psi	0.066	ASTM D5470
Thermal Impedance (°C·in ² /W) @50psi	0.058	ASTM D5470
Recommended Operating Temperature (°C)	-40~200	-
Breakdown Strength (V/mm)	≥5000	ASTM D149
Dielectric Constant @1MHz	15	ASTM D150
Bond Line Thickness (mm)	0.25	-
Flame Rating	V-0	UL94
Shelf Life (Month)	12	-

Product Identifier



Product Specifications

30 cc/pcs, 300 cc/pcs

Custom packaging available for automation use. Please contact us for confirming.

If you want to learn more about thermal conductive materials, please visit our website.

Precautions

This product is a single component thermal conductive gel, which contains high-density thermal conductive filler. Long term standing may cause filler settlement. Please stir thoroughly before use to ensure even distribution of the filler and stable and consistent thermal conductivity.

Global solutions: Local support

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