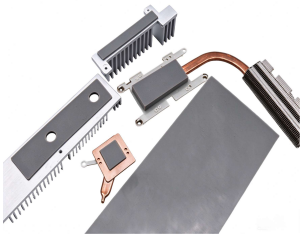
TIF®700M Series
Thermally Conductive Gap Filler Pads



TIF®700M Series is a well-balanced, general-purpose thermal pad. It offers good thermal conductivity and moderate hardness. This balanced design provides both excellent surface conformity and superior ease of use, making it capable of effectively transferring heat and providing basic physical protection for a wide range of electronic components. It is an ideal choice for addressing medium to high power heat dissipation needs, achieving the best balance between cost and performance.

Features

- High thermal conductivity
- Good softness and fillability
- Self-adhesive without the need for additional surface adhesives
- Good insulation performance

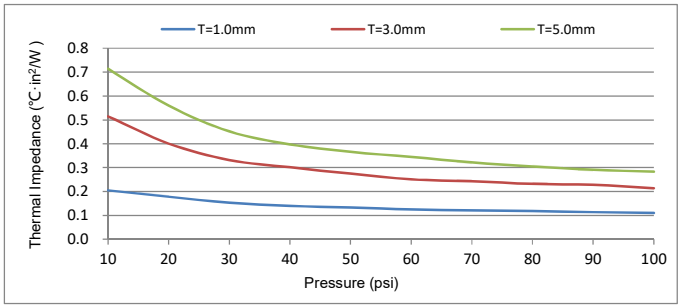
Applications

- Power tools
- Network communication products
- Electric vehicle batteries
- Computer CPU/GPU Cooling
- New energy vehicle power systems

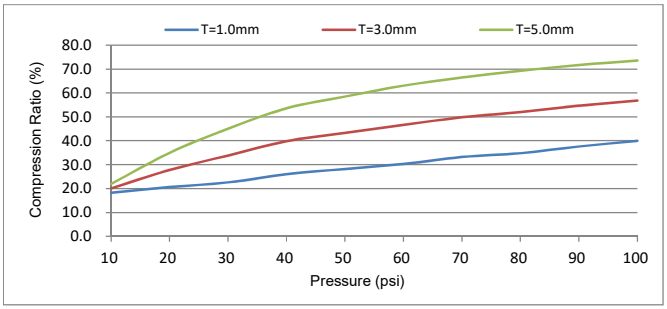
Typical Properties of TIF®700M Series

Property	Value		Test Method
Color	Gray		Visual
Composition	Ceramic filled silicone elastomer		ZKTM J024
Thickness Range (inch/mm)	0.010~0.020 0.25~0.50	0.030~0.200 0.75~5.00	ASTM D374
Hardness (Shore OO)	60	50	ASTM D2240
Density (g/cm^3)	3.4		ASTM D792
Recommended Operating Temperature (°C)	-40 ~ 200		ZKTM J025
Breakdown Strength (Vac/mm)	≥5500		ASTM D149
Dielectric Constant @1MHz	7.0		ASTM D150
Volume Resistivity (Ohm·cm)	> 1.0×10^{12}		ASTM D257
Thermal Conductivity (W/m·K)	6.0		ASTM D5470
	6.0		ISO22007
Flame Rating	V-0		UL94 (E331100)

Thermal Impedance



Compression Ratio



Product Specifications

Standard Thickness: 0.010" (0.25 mm) ~ 0.200" (5.00 mm) with increments of 0.010" (0.25 mm).
Standard Size: 16"×16" (406 mm×406 mm).
Component Codes:
Reinforcement Fabric: FG (Fiberglass).
Coating Options: NS1 (Non-adhesive treatment), DC1 (Single-sided hardening).
Adhesive Options: A1/A2 (Single-sided/Double-sided adhesive).

The TIF® series is available in custom shapes and various forms.
For other thicknesses or more information, please contact us.

Product Identifier

TIF7 00 M

- M — Thermal Conductivity: 6.0 W/m·K & Hardness: 50
- 00 — Thickness: 10mils ~ 200mils
- TIF7 — Product Series

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