



TIF[®]100 3030-06 Series is an ultra-soft thermal interface material designed specifically to protect precision components that are extremely sensitive to mechanical stress. This product combines high thermal conductivity with an exceptionally gel-like softness, achieving a low-stress perfect fit. It is suitable for addressing issues in high-precision assemblies, such as large tolerances, uneven surfaces, and the susceptibility of delicate components to mechanical damage.

Features

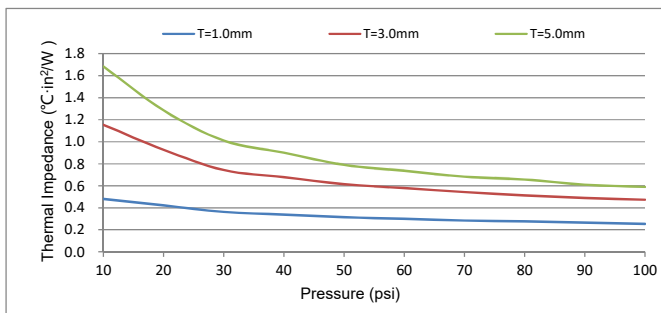
- » High thermal conductivity
- » Ultra-soft and highly conformable
- » Self-adhesive without the need for additional surface adhesive
- » Good insulation performance

Applications

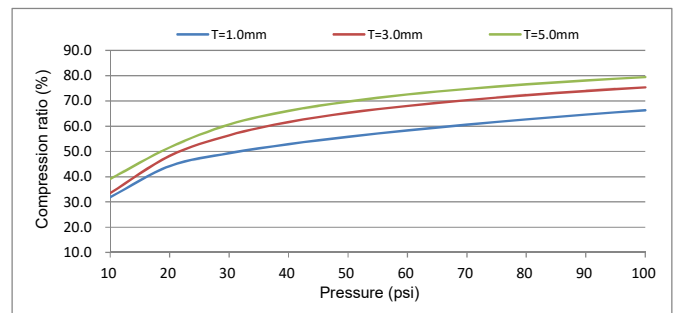
- » Power tools
- » Network communication products
- » Electric vehicle batteries
- » Computer CPU/GPU Cooling
- » New energy vehicle power systems

Typical Properties of TIF [®] 100 3030-06 Series			
Property	Value		Test Method
Color	White		Visual
Construction	Ceramic filled silicone elastomer		-
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)	65	30	ASTM D2240
Density (g/cm ³)	3.0		ASTM D792
Recommended Operating Temperature (°C)	-40 ~ 200		-
Breakdown Voltage (V/mm)	≥5500		ASTM D149
Dielectric Constant @1MHz	5.8		ASTM D150
Volume Resistivity (Ohm·cm)	> 1.0×10 ¹²		ASTM D257
Thermal Conductivity (W/m·K)	3.0		ASTM D5470
	3.0		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),

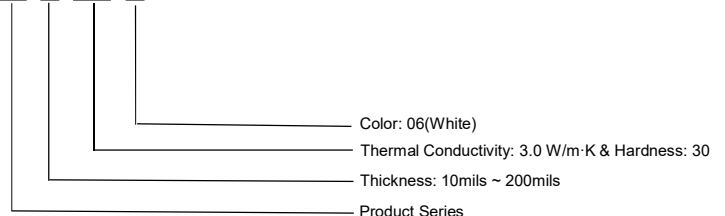
DC1 (Single-sided hardening).

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

TIF1 00 3030 - 06



Global solutions: Local support

China: +86-769-38801208
Taiwan: +886-2-2277-1007
Canada: +001-604-2998559
Vietnam: +84-396852859

service@ziitek.com

www.ziitek.com

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TIF100 3030-06-1125