



TIF[®]100L 4035-06 Series is a soft, low-volatility thermal pad designed specifically for demanding application environments. While providing high thermal conductivity, it significantly reduces the content of volatile silicones. Its high flexibility allows it to fill uneven interfaces effectively, achieving ultra-low thermal resistance and protecting delicate electronic components from mechanical stress damage. This series is an ideal thermal interface material of choice for fields sensitive to volatile substances, such as aerospace, automotive electronics, optical devices, and high-end communication equipment.

Features

- » High thermal conductivity
- » Low volatility
- » High reliability
- » Easy to install and operate

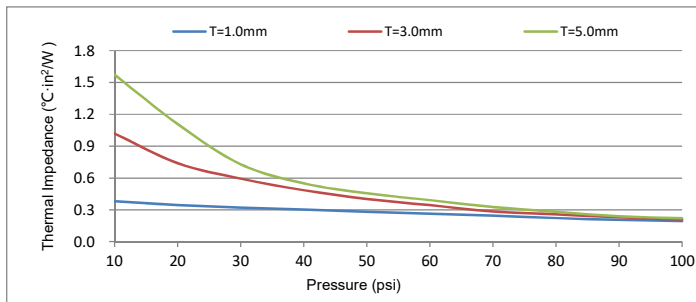
Applications

- » Automotive Electronics
- » Aerospace
- » Optical display
- » High-end communication
- » Industrial Electronics

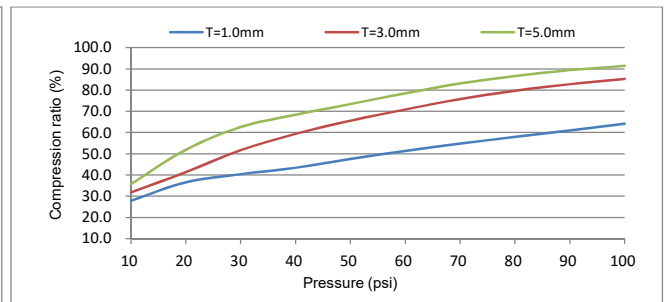
Typical Properties of TIF[®]100L 4035-06 Series

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	35	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	7.3		ASTM D150
Volume Resistivity (Ohm·cm)	> 1.0×10 ¹²		ASTM D257
Thermal Conductivity (W/m·K)	4.0		ASTM D5470
	4.0		ISO22007
∑D3-D10(Siloxane contentPPM)	<100		GC-MS
Total mass loss(TML)(%)	ND		130°C, 24H
Flame Rating	V-0		UL94 (E331100)

Thermal Impedance



Compression Ratio

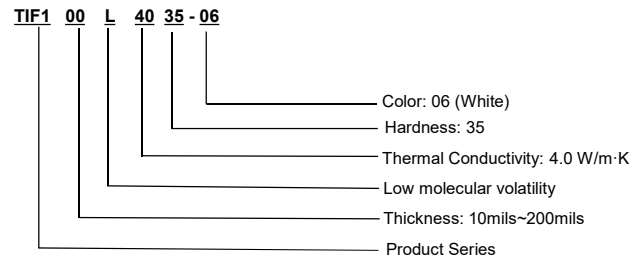


Product Specifications

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)

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

Product Identifier



Global solutions: Local support

China: +86-769-38801208
Taiwan: +886-2-2277-1007
Canada: +001-604-2988559
Vietnam: +84-396852859

service@ziitek.com

www.ziitek.com

Ziitek Technology Ltd and it's distributors provide information deemed accurate and reliable. However, product specifications may be adjusted due to technical modifications or optimizations without prior notice. The responsibility for product use and application lies with the end user. Ziitek makes no guarantees regarding the product's suitability, merchantability, or fitness for a particular purpose and assumes no liability for incidental or consequential damages. Ziitek and it's logo are the property of the company or it's affiliates.

