

TIF® 800SE Series is a high-end compressible thermal pad that meets top-level cooling requirements while also ensuring excellent assembly workability. Through an innovative material formulation, it successfully achieves an ideal combination of ultra-high thermal conductivity and moderate hardness. This unique performance balance allows it to efficiently handle the cooling challenges posed by extremely high heat fluxes, while also possessing good mechanical strength and compressibility, making it easy to manufacture and install. It provides a thermal interface material solution with both outstanding heat dissipation performance and high reliability for high-power-density electronic devices.

Features

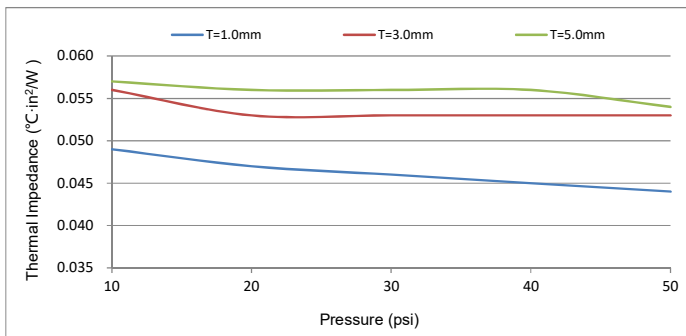
- » Excellent thermal conductivity
- » Good softness and filling properties
- » Self-adhesive without the need for additional surface adhesive
- » Good insulation performance

Applications

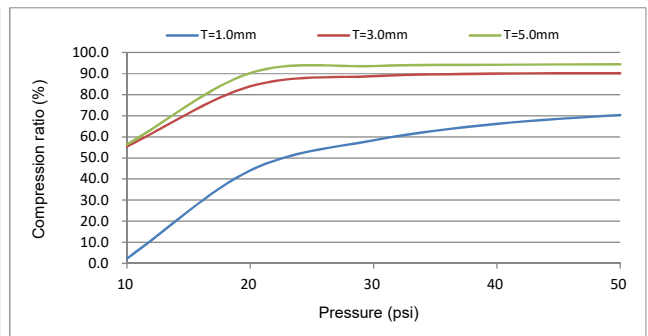
- » AI Servers
- » Semiconductor Packaging
- » Low-Altitude Aircraft
- » Optical Communication Products
- » 5G Base Stations

Typical Properties of TIF® 800SE Series			
Property	Value		Test method
Color	Gray		Visual
Construction	Ceramic filled silicone elastomer		-
Thickness Range (inch/mm)	0.030 0.75	0.040~0.200 1.00~5.00	ASTM D374
Hardness (Shore OO)	35	35	ASTM D2240
Density (g/cm ³)	3.25		ASTM D792
Recommended Operating Temperature (°C)	-40 ~ 200		-
Breakdown Voltage (V/mm)	≥ 5500		ASTM D149
Dielectric Constant @1MHz	8.0		ASTM D150
Volume Resistivity (Ohm·cm)	> 1.0×10 ¹²		ASTM D257
Thermal Conductivity (W/m·K)	15.0		ASTM D5470
	15.0		ISO22007
Flame Rating	V-0		UL94 (E331100)

Thermal Impedance



Compression Ratio

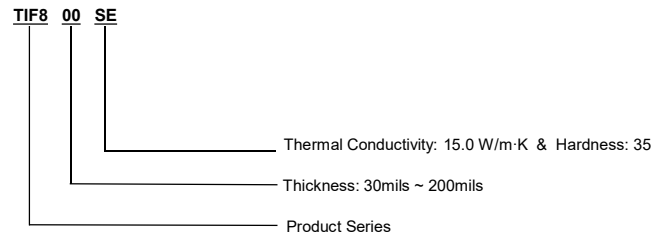


Product Specifications

Standard Thickness: 0.030" (0.75 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: +001-604-2998559
Vietnam: +84-396852859

service@zitek.com

www.zitek.com

Zitek Technology Ltd and its 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. Zitek makes no guarantees regarding the product's suitability, merchantability, or fitness for a particular purpose and assumes no liability for incidental or consequential damages. Zitek and its logo are the property of the company or its affiliates.



TIF800SE-1225