



TIS[®]800K series is a thermal silicone product featuring a ceramic-filled layer coated on a polyimide film, offering excellent thermal conductivity and heat transfer performance. The **TIS[®]800K** model is designed for screw-mounted applications on device openings, with the composite polyimide film providing superior dielectric insulation. Its soft thermal coating enhances gap-filling capability and improves handling during assembly.

Features

- » Relatively soft surface, good thermal conductivity
- » High voltage insulation, low thermal resistance
- » Tear-resistant and puncture-resistant

Application

- » Power supplies and automotive battery packs
- » Power semiconductor devices
- » Audio-visual products
- » Charging stations

Typical Properties of TIS[®]800K

Product Name	TIS [®] 806K	TIS [®] 808K	TIS [®] 810K	Test Method
Color	Light Amber			Visual
Polyimide Film Thickness (inch/mm)	0.001"/0.025 mm			ASTM D374
Total Thickness (inch/mm)	0.006"/0.152 mm	0.008"/0.203 mm	0.010"/0.254 mm	
Density (g/cc)	2.0			ASTM D792
Tensile Strength (MPa)	10			ASTM D751
Recommended Operating Temperature (°C)	-45~160			Ziitek Test Method
Dielectric Breakdown Voltage (VAC)	6500	7000	7500	ASTM D149
Dielectric Constant @ 1 MHz	3.8			ASTM D150
Volume Resistivity (Ohm·cm)	3.5X10 ¹³			ASTM D257
Thermal Conductivity (W/mK)	1.3			ASTM D5470
Flame Rating	V-0			UL94

Standard Thickness: 0.006" (0.152 mm), 0.008" (0.203 mm), 0.010" (0.254 mm)

For other thickness options, please contact us.

Standard Size: 10" × 100" (254 mm × 25.4 m). The TIS[®]800K series can be die-cut into various shapes for supply.

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

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.

