



TIC®800K-A1 this series is a high-performance and high-cost-utilization thermal interface material. Its unique grain directionality and plate structure allow it to be precisely consistent with the surface, and its thermal conversion effect is amplified. At a temperature 50°C higher than its transition temperature, the TIC series begins a softening phase transition, which can fill the tiny irregular contact surfaces of the device, forming an interface with a small contact thermal resistance and achieving a good heat dissipation effect.

Features

- » Low thermal resistance
- » Elf-adhesive without the need for additional surface adhesives
- » Low-pressure application environment

Application

- » Power conversion equipment
- » Power supply and vehicle storage battery
- » Large communication switch hardware
- » LED TV/ Lighting
- » Laptop computer

Typical Properties of TIC®800K-A1			
Property	TIC®805K-A1	TIC®806K-A1	Test method
Construction	Non-Silicone Thermoplastic/Polyimide film		-
Color	Yellow		Visual
Thickness range (inch/mm)	0.005/0.125	0.006/0.150	ASTM D374
Density (g/cc)	2.0		ASTM D792
Recommended Operating Temperature (° C)	-40~150		-
Breakdown Voltage (V/mm)	5000		ASTM D149
Dielectric Constant @1MHz	4.5		ASTM D150
Volume Resistivity (Ohm-cm)	1.0*10 ¹²		ASTM D257
Thermal Conductivity (W/mK)	1.5		ASTM D5470
	1.5		ISO22007-2.2
Thermal impedance (°C·in ² /W)	0.20	0.21	ASTM D5470
Phase Change Softening Temperature (°C)	50~60		-

Product Specification

Standard thickness:

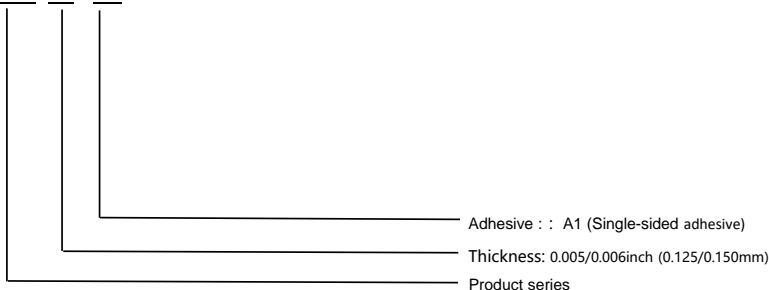
0.005inch(0.125mm) / 0.006inch(0.150mm)。

Standard size: 10"×100'(254mm×30.48m)。

The TIC series can be die-cut into different shapes for supply. If you need different thicknesses or would like to know more product information about thermal conductive materials, please contact our company.

Product Identifier

TIC8 00 - A1



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TIC800K-A1- 0425