



TIC®800KD 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®800KD

Property	TIC®805KD	TIC®806KD	Test method
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
Flame Rating	V-0		UL94 (E331100)
Phase Change Softening Temperature (°C)	50~60		-

Product Specification

Standard thickness:

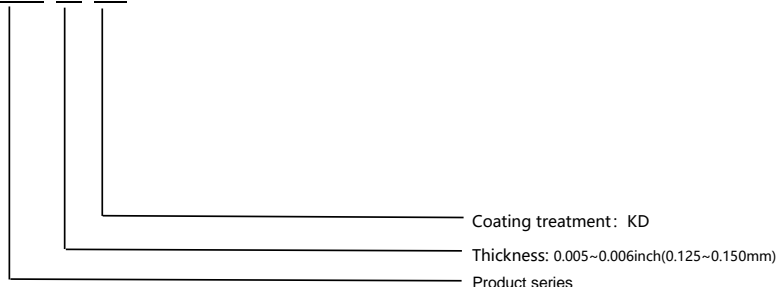
0.005inch(0.125mm) / 0.006inch(0.150mm)。

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 Identification:

TIC8 00 KD



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