



TIC™800A Series is low melting point phase change thermal interface material.

At 50°C, TIC™800A Series begins to soften and flow, filling the microscopic irregularities of both the thermal solution and the integrated circuit package surface, thereby reducing thermal resistance.

TIC™800A Series is a flexible solid at room temperature and freestanding without reinforcing components that reduce thermal performance.

For Lowest Thermal Resistance

- » 0.018°C-in²/W thermal resistance
- » Naturally tacky at room temperature, no adhesive required
- » Flows but doesn't run like grease

Application

- » Notebook and Desktop PCs
- » Set Top Box
- » Memory modules
- » Micro heat pipe thermal solutions

Typical Properties of TIC800A Series

Product Name	TIC803A	TIC805A	TIC808A	TIC810A	Test Method
Color	Gray				Visual
Thickness	0.003" (0.076mm)	0.005" (0.126mm)	0.008" (0.203mm)	0.010" (0.254mm)	ASTM D374
Density	2.5g/cc				Helium Pycnometer
Temperature Range	- 25 °C ~ 125 °C				*****
Phase Change Softening Temperature	50 °C ~ 60 °C				*****
Thermal Conductivity	2.5W/mk				ASTM D5470 (modified)
Thermal Impedance@50psi	0.018°C-in ² /W	0.025°C-in ² /W	0.047°C-in ² /W	0.058°C-in ² /W	ASTM D5470 (modified)

Standard Thicknesses:

0.003"(0.076mm) 0.005"(0.127mm) 0.008"(0.203mm) 0.010"(0.254mm)

Consult the factory alternate thickness.

Standard Sizes:

10" x 16"(254mm x 406mm) 16" X 400' (406mm X 121.92M)

TIC™800A Series are supplied with a white release paper and a bottom liner.

TIC™ 800A Series is available in kiss cut an extended pull tab liner or individual die cut shapes.

Peressure Sensitive Adhesive:

Peressure Sensitive Adhesive is not applicable for TIC™800 Aseries products.



If you want to know our thermal Products,you can visit our website . <http://www.ziitek.com>

Gap Fillers | Pouring sealant | Silicon tape | Thermally Conductive paste | Flake graphite | Thermally Conductive Insulators | Ceramic heat sinks
Thermally Conductive plastic | Thermally Conductive Adhesive Tapes

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