



**TIG™780-10** is environmentally safe silicone-based thermal grease designed to solve overheating and reliability issue.

**TIG™780-10** is presenting thermal paste products. They serve to moisten the contact surface sufficiently so as to form an interface of extremely low thermal impedance. Consequently, the heat dissipation efficiency is farsuperior to that offered by others.

## Features And Benefits

- » Low thermal resistance of **0.15 °C·in<sup>2</sup>/W**
- » Non-toxic and environmentally safe
- » Outstanding electrical insulation properties
- » Thoroughly wets out contact surfaces to create low thermal resistance

## Application

- » Microprocessors
- » Chipsets
- » Graphic processing chips
- » IGBT
- » TO220, TO240, and other standard packages

Typical Properties of TIG780-10 Series		
Property	Value	Test method
Color	White	Visual
Compostion	Metal oxide filled silicone oil	Ziitek Test Method
Specific Gravity (g/cm <sup>3</sup> )	2.13	ASTM 2240
Viscosity ( Pa·s @ 25°C)	1000	Brookfield DV2T
Thermal Conductivity (W/mK)	1.0	ASTM D5470
Bond line Thickness (mm)	0.012	ASTM D374
Thermal Impedance (°C·in <sup>2</sup> /W) @50 psi	0.15	ASTM D5470
Recommended operating temp (°C)	- 45 ~ 200	Ziitek Test Method
Evaporation (TML) (200°C@ 24 hrs)	0.23%	ASTM E595

## Package

TIG™780-10 Series is available in 1kg (pint container), 3kg (quart container), and 10kg (gallon container) or custom packaged in syringes for automated applications.

## Storage:

Store from 20°C to 35°C with a maximum humidity of 50%. Do not store in freezer or refrigerator below 10°C .

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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