



**TIG™780-18** is environmentally safe silicone-based thermal grease designed to solve overheating and reliability issues ◦

TIG™780-18 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 far superior to that offered by others.

## Features And Benefits

- » Low thermal resistance of 0.05 °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 TIG780-18 Series**

|                             |                                 |            |                                  |                            |                   |
|-----------------------------|---------------------------------|------------|----------------------------------|----------------------------|-------------------|
| <b>Color</b>                | White                           | Visual     | <b>Evaporation (TML)</b>         | 0.15% / 200°C @ 24 hrs     | ASTM E595         |
| <b>Compostion</b>           | Metal oxide filled silicone oil | *****      | <b>Viscosity</b>                 | 1800K cps @ 25°C           | Brookfield RVF,#7 |
| <b>Thermal Conductivity</b> | 1.8 W/mK                        | ASTM D5470 | <b>Continuous Use Temp</b>       | - 45 To 200 °C             | *****             |
| <b>Specific Gravity</b>     | 2.42g/cm <sup>3</sup>           | ASTM 2240  | <b>Thermal Impedance @50 psi</b> | 0.05°C -in <sup>2</sup> /W | ASTM D5470        |

## Package

TIG™780-18 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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