



TIG™780-18 is environmentally safe silicone-based thermal grease designed to solve overheating and reliability issue.

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 farsuperior to that offered by others.

Features

- » Low thermal resistance of **0.05 °C-in²/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 | | |
|---|---------------------------------|--------------------|
| Property | Value | Test method |
| Color | White | Visual |
| Compostion | Metal oxide filled silicone oil | Ziitek Test Method |
| Specific Gravity (g/cm ³) | 2.6 | ASTM 2240 |
| Viscosity (Pa·s @ 25°C) | 1800 | Brookfield DV2T |
| Thermal Conductivity (W/mK) | 1.8 | ASTM D5470 |
| Bond line Thickness (mm) | 0.018 | ASTM D374 |
| Thermal Impedance (°C-in ² /W) @50 psi | 0.05 | ASTM D5470 |
| Recommended operating temp (°C) | - 45 ~ 200 | Ziitek Test Method |
| Evaporation (TML) (200°C@ 24 hrs) | 0.15% | ASTM E595 |

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

加拿大 Canada
TEL: +001-604-2998559
E-mail: frances@ziitek.com.tw
[Http://www.thermazig.com](http://www.thermazig.com)

台湾 Taiwan
TEL: +886-2-22771007
E-mail: frances@ziitek.com.tw
[Http://www.ziitek.com.tw](http://www.ziitek.com.tw)

东莞 Dongguan
TEL: +86-769-38801208
E-mail: frances@ziitek.com.tw
[Http://www.ziitek.com.cn](http://www.ziitek.com.cn)

昆山 Kunshan
TEL: +86-512-57816297
E-mail: kelvin@ziitek.com
[Http://www.ziitek.com.cn](http://www.ziitek.com.cn)

长沙 Changsha
TEL: +86-731-86949836
E-mail: jor@ziitek.com
[Http://www.ziitek.com.cn](http://www.ziitek.com.cn)