



**TIG™780-18S** Is the use of environmentally safe thermal silicone grease, with good agitation and thixotropy. When the external force is applied, the consistency of the silicone grease decreases, showing a good stirring ability. However, after the removal of the external force, the silicon grease is in a static state, and the consistency of the silicone grease increases, showing good thixotropy and no flow drawing phenomenon.

The thixotropic thermal conductive silicone grease has better scratch and coating property in the use process, will not appear the hanging phenomenon, is more conducive to the operation of the glue, has good fine and thermal conductivity, and has the advantages of good storage stability.

## Features And Benefits

- » Good thermal conductivity
- » Non-toxic and environmentally safe
- » Excellent long term stability
- » Thoroughly wets out contact surfaces to create low thermal resistance

## Application

- » Microprocessors
- » Chipsets
- » Graphic processing chips
- » Set Top Box
- » LED

## Typical Properties of TIG780-18S Series

Property	Value	Test method
Color	Gray	Visual
Construction	Metal oxide filled Silicone Oil	*****
Density (g/cm <sup>3</sup> )	2.8 g/cm <sup>3</sup>	ASTM D297
Thermal Conductivity	1.8 W/mK	ASTM D5470
Thermal impedance @10psi	0.060 °C*in <sup>2</sup> /W	ASTM D5470
Thermal impedance @50psi	0.040 °C*in <sup>2</sup> /W	ASTM D5470
Viscosity (mPa.s)	5500000 mPa.s	GB/T 10247

## Package

0.5g ~ 50g for the needle cylinder; Cans of 100g ~ 500g,; drums of 1kg ~ 20kg

## Storage:

Store from 5° C to 25° C with a maximum humidity of 70%. Do not store in freezer or refrigerator below 0° C. Safe disposal method does not require special protection. The storage condition is low temperature and dry, away from open fire and away from direct sunlight. For detailed method, please refer to the product material safety data sheet.

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

### Canada:

Tel: +001-604-2998559  
E-mail: [sales@thermazig.com](mailto:sales@thermazig.com)

### Taiwan:

Tel: +886-2-22771007  
Fax: +886-2-22771075  
E-mail: [frances@ziitek.com.tw](mailto:frances@ziitek.com.tw)

### Dongguan:

Tel: +86-769-38801208  
Fax: +86-769-83791290  
E-mail: [angus@ziitek.com](mailto:angus@ziitek.com)

