

**TIF™ 060-16** is a soft silicone putty thermal gap filler, which blends with an exclusive formula that offers superior thermal performance and compressibility.

Due to **TIF™ 060-16** is made by high viscosity silicon oil, that can prevent thermal formula separation from it. Besides, compared with traditional thermal pads, it can control bonded shifting issues much better.

**TIF™ 060-16** operation mold is similar to grease, such as silkprint and screen print or automatic injection facilities.

**TIF™ 060-16** can be applied on chip microprocessors, PPGAs, Micro BGA packages, BGA packages, DSP chips, LED lighting and other high power electric components.

## Feature

- › Thermal conductivity: **6.0 W/mK**
- › Soft, very low compression
- › Low thermal impedance
- › Operate automatically
- › Proven long-term reliability

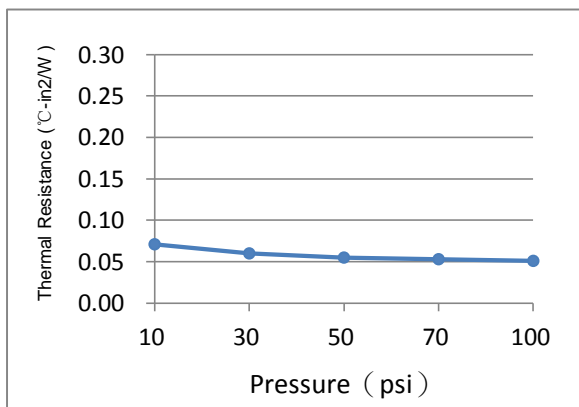
## Application

- › Heat-sink & frame
- › LED backlight module · LED lighting
- › High speed hardware driver
- › Micro heat pipe › Vehicle engine controller
- › Telecom industry › Semiconductor automatic laboratory equipment.

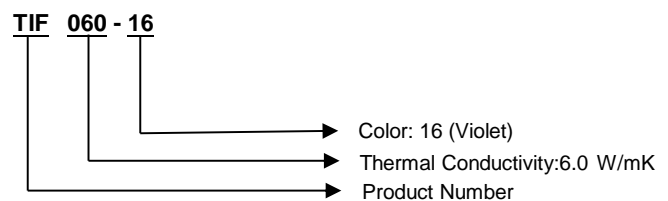
## TIF™ 060-16 Property

|                            | Violet                          | Visual      |
|----------------------------|---------------------------------|-------------|
| Color                      | Violet                          | Visual      |
| Construction & Composition | Ceramic filled silicon material | *****       |
| Viscosity                  | 14,000K cPs                     | GB/T 10247  |
| Specific Gravity           | 3.15 g/cc                       | ASTM D297   |
| Thermal conductivity       | 6.0 W/mK                        | ISO 22007-2 |
| Thermal diffusivity        | 1.578 mm <sup>2</sup> /s        | ISO 22007-2 |
| Specific heat capacity     | 3.4 MJ/m <sup>3</sup> K         | ISO 22007-2 |
| Continuous Use             | -45 ~200°C                      | *****       |
| Dielectric breakdown       | 200 V/mil                       | ASTM D149   |
| Flame Rating               | 94V0                            | E331100     |
| Outgassing, %TML           | 0.55%                           | ASTM E595   |

## psi. vs. Thermal Resistance



## Product Identification:



## Product Specification:

• 30 cc/pc, 98 pc/box; 300 cc/pc 6 pc/box

We offer the custom packaged in syringes for automated dispensing applications. Please contact us for confirming.

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 | Shielding Materials

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