

TIF™ 045-01 is a soft silicone putty thermal gap filler, which blends with exclusive formula, that offers superior thermal performance, and compressibility.

Due to **TIF™ 045-01** is made by high viscosity silicon oil, that can prevent thermal formula separate from it. Besides, compared with traditionally thermal pad, it can control bonded shifting issue much better.

TIF™ 045-01 operation mold is similar as grease, such as silkprint and screen print or automatic injected facility.

TIF™ 045-01 can be applied on chip micro processor, PPGAs, Micro BGA package, BGA package, DSP chip, LED lighting and other high power electric component.

Feature

- › Thermal conductivity: **4.5 W/mK**
- › Soft, very low compression
- › Low thermal impedance
- › Operate automatically
- › Proven long-term reliability

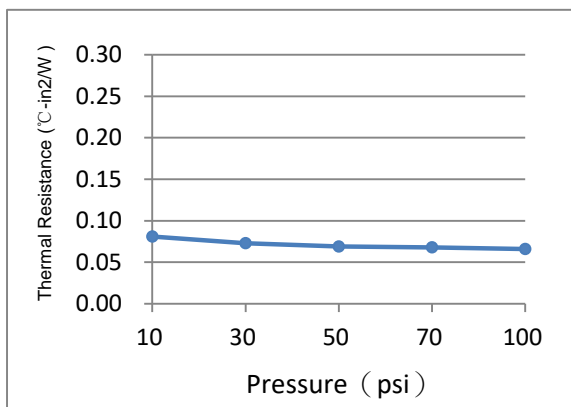
Application

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

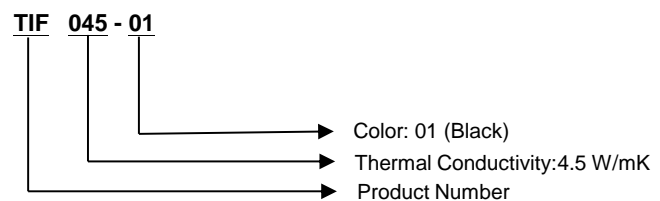
TIF™ 045-01 Property

Color	Black	Visual
Construction & Composition	Ceramic filled silicon material	*****
Viscosity	4000,000cps	GB/T 10247
Specific Gravity	2.95 g/cc	ASTM D297
Thermal conductivity	4.5 W/mK	ISO 22007-2
Thermal diffusivity	1.651 mm ² /s	ISO 22007-2
Specific heat capacity	2.7 MJ/m ³ K	ISO 22007-2
Continuous Use Temperature	-45 ~200°C	*****
Dielectric breakdown strength	200 V/mil	ASTM D149
Flame Rating	94V0	E331100
Outgassing, %TML	0.65%	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
Thermally Conductive plastic | Thermally Conductive Adhesive Tapes

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