



TIF®040-06 is a soft silicone gel-based gap filler pad, formulated with a special blend of fillers to provide both excellent thermal conductivity and superior softness. Compared to conventional thermal greases, TIF®040-06 has a higher viscosity, which effectively prevents filler separation from the silicone matrix and reduces filler migration, helping maintain consistent thermal performance. It is applied in a similar manner to thermal grease and is suitable for commercial dispensing or automated equipment. Typical applications include flip-chip microprocessors, PPGAs, micro BGA packages, BGA packages, DSP chips, circular silicon chips, LED lighting, and other high-power electronic components.

Feature

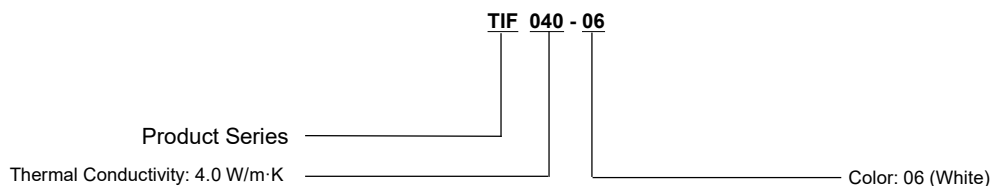
- › Good Thermal conductivity
- › Soft, very low compression
- › Low thermal impedance
- › Operate automatically
- › Proven long-term reliability

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®040-06 TYPICAL PROPERTIES		
Property	Value	Test Method
Color	White	Visual
Construction & Composition	Ceramic filled silicon material	-
Flow Rate (g/min)	40	Ziitek Test Method (30 cc syringe/ 2.5 mm orifice/ 90 psi)
Density (g/cm ³)	3.2	ASTM D792
Thermal Conductivity (W/m·K)	4.0	ASTM D5470
Thermal Impedance @10psi (°C·in ² /W)	0.08	ASTM D5470
Thermal Impedance @50psi (°C·in ² /W)	0.07	ASTM D5470
Recommended Operating Temp (°C)	-40~200	-
Volume Resistivity (V/mm)	≥8000	ASTM D149
Bond Line Thickness (mm)	0.15	-
Flame Rating	V-0	UL94
Shelf Life	12 months	-

Product Identifier



Product Specification

•30 cc/pcs, 50cc/pcs, 300 cc/pcs

Custom packaging available for automation use. Please contact us for confirming.

If you want to know our thermal products, please visit our website.

Global solutions: Local support

China: +86-769-38801208
 Taiwan: +886-2-2277-1007
 Canada: +001-604-2998559
 Vietnam: +84-396852859

service@ziitek.com

www.ziitek.com

Ziitek Technology Ltd and it's distributors provide information deemed accurate and reliable. However, product specifications may be adjusted due to technical modifications or optimizations without prior notice. The responsibility for product use and application lies with the end user. Ziitek makes no guarantees regarding the product's suitability, merchantability, or fitness for a particular purpose and assumes no liability for incidental or consequential damages.

