



**TIF<sup>®</sup>035-05** 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<sup>®</sup>035-05 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

- › Thermal conductivity: **3.5 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
- › Vehicle engine controller
- › Telecom industry
- › Semiconductor automatic laboratory equipment

**TIF<sup>®</sup>035-05 TYPICAL PROPERTIES**

Property	Value	Test Method
<b>Color</b>	<b>Blue</b>	<b>Visual</b>
<b>Construction &amp; Composition</b>	<b>Ceramic filled silicon material</b>	-
<b>Flow Rate (g/min)</b>	<b>30</b>	<b>Ziitek Test Method (30 cc syringe/ 2.5 mm orifice/ 90 psi)</b>
<b>Density (g/cc)</b>	<b>3.25</b>	<b>ASTM D297</b>
<b>Thermal Conductivity (W/mK)</b>	<b>3.5</b>	<b>ASTM D5470</b>
<b>Thermal Impedance @10psi (°C·in<sup>2</sup>/W)</b>	<b>0.080</b>	<b>ASTM D5470</b>
<b>Thermal Impedance @50psi (°C·in<sup>2</sup>/W)</b>	<b>0.075</b>	<b>ASTM D5470</b>
<b>Recommended Operating Temp (°C)</b>	<b>-45 ~200</b>	<b>Ziitek Test Method</b>
<b>Dielectric Strength (V/mm)</b>	<b>≥4000</b>	<b>ASTM D149</b>
<b>Bond Line Thickness (mm)</b>	<b>0.10</b>	<b>Ziitek Test Method</b>
<b>Flame Rating</b>	<b>V-0</b>	<b>UL94</b>
<b>Shelf Life</b>	<b>12 months</b>	-

## Product Specification:

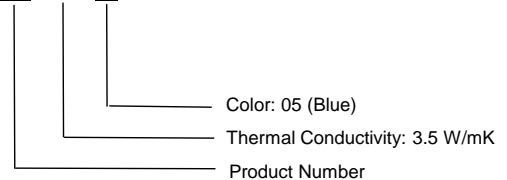
•30 cc/pcs, 98 pcs/box; 300 cc/pcs, 6 pcs/box.

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

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

## Product Identifier:

**TIF 035 - 05**



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