



**TIF<sup>®</sup>020-19** is a soft silicone gel-based gap filler pad, formulated with a special blend of fillers to provide both good thermal conductivity and superior softness. Compared to conventional thermal greases, it 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.

### Features

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

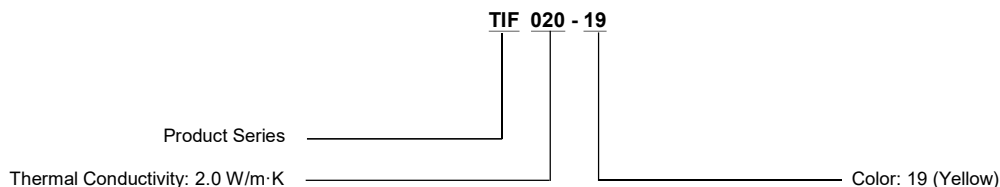
### Applications

- › Heat-sink & frame
- › LED backlight module, LED lighting
- › High speed hardware driver
- › Micro heat pipe
- › Vehical enginee controller
- › Telecom industry
- › Semiconductor automatic laboratory equipment

**Typical Properties of TIF<sup>®</sup> 020-19**

Property	Value	Test Method
Color	Yellow	Visual
Construction	Ceramic filled silicon material	-
Flow Rate (g/min)	90	Ziitek Test Method (30 cc syringe/ 2.5 mm orifice/ 90 psi)
Density (g/cm <sup>3</sup> )	2.6	ASTM D792
Thermal Conductivity (W/m·K)	2.0	ASTM D5470
Thermal Impedance (°C·in <sup>2</sup> /W) @10psi	0.143	ASTM D5470
Thermal Impedance (°C·in <sup>2</sup> /W) @50psi	0.114	ASTM D5470
Recommended Operating Temperature (°C)	-40~200	-
Breakdown Voltage (V/mm)	≥4000	ASTM D149
Bond Line Thickness (mm)	0.10	-
Flame Rating	V-0	UL94
Shelf Life (Month)	12	-

### Product Identifier



### Product Specifications

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

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