



TIF<sup>®</sup>050-WA is a one-component thermally conductive and wave-absorbing gel engineered for high-performance equipment. It delivers excellent EMI suppression performance alongside superior thermal conductivity, making it ideal for applications requiring simultaneous electromagnetic wave absorption and heat dissipation. Its gel form ensures exceptional application flexibility and gap adaptability, as well as outstanding compressibility and conformability. The product is compatible with large-scale, automated dispensing processes, and is especially suitable for irregular surfaces and gap-filling scenarios.

### Features

- › Integrated thermal conductivity and wave absorption dual functions
- › Highly flexible silicone gel material
- › High-viscosity stable system, no filler migration
- › Easy for automated operation of dispensing systems
- › Long-term reliability

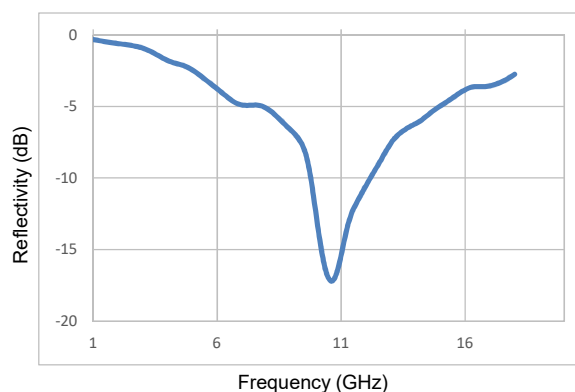
### Applications

- › RF modules for Routers / Switches
- › RF chips in smartphones, Tablets and Laptops
- › Battery management system for new energy vehicles
- › Power modules and Industrial control motherboards
- › Lasers, Sensors and High-speed transmission interfaces

Typical Properties of TIF<sup>®</sup>050-WA

Property	Value	Test Method
Color	Gray	Visual
Construction	Ceramic and magnetic powder-filled silicone materials	-
Flow Rate (g/min)	35	-
Density (g/cm <sup>3</sup> )	3.6	ASTM D792
Thermal Conductivity (W/m·K)	5.0	ASTM D5470
Thermal Impedance @10psi (°C·in <sup>2</sup> /W)	0.08	ASTM D5470
Thermal Impedance @50psi (°C·in <sup>2</sup> /W)	0.07	ASTM D5470
Recommended Operating Temperature (°C)	- 40~200	-
Bond Line Thickness (mm)	0.15	-
Flame Rating	V-0	UL94
Shelf Life (Month)	12 (Unopened)	-

### Reflectivity



### Product Specifications

30 cc/pcs, 50cc/pcs, 300 cc/pcs, or customized packaging for automation applications. For information on products of different specifications, please contact our company.

If you want to learn more about our thermal conductivity products, please visit our official 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

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