



TIF[®]050AB-WA is a two-component thermally conductive and wave-absorbing gel designed for high-performance equipment. It delivers excellent EMI suppression while boasting superior thermal conductivity, making it ideal for applications requiring simultaneous electromagnetic interference absorption and heat dissipation. Its gel form ensures exceptional application flexibility and gap adaptability, along with outstanding compressibility and conformability. The product is compatible with large-scale, automated dispensing processes, and is especially suitable for irregular surfaces and gap scenarios.

Features

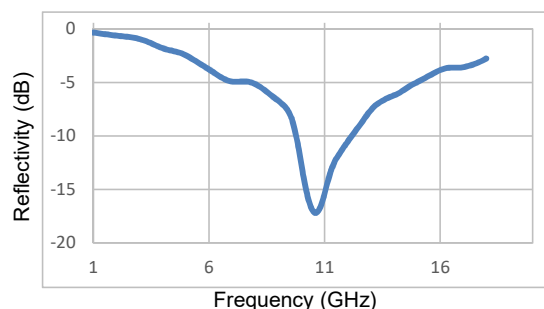
- › Integrated thermal conductivity and wave absorption dual functions
- › Highly flexible silicone gel material
- › High-viscosity stable system, no filler migration
- › Easy for automated operation of dispensing systems
- › Long-term reliability

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 [®] 050AB-WA		
Uncured Material Properties		
Property	Value	Test Method
Construction	Ceramic and magnetic powder-filled silicone materials	-
Color/Part A	Gray	Visual
Color/Part B	Gray	Visual
Part A Viscosity (mPa·s)	6,000,000	GB/T 10247
Part B Viscosity (mPa·s)	6,000,000	GB/T 10247
Bond Line Thickness (mm)	0.15	-
Mix Ratio	1:1	-
Shelf Life (Month)	12 (Unopened)	-
Cure Schedule		
Pot Life @ 25°C	30 mins	Ziitek Test Method
Cure @ 25°C	2-4 hours	Ziitek Test Method
Cure @ 100°C	30 mins	Ziitek Test Method
Cure Material Properties		
Color	Gray	Visual
Hardness (Shore OO)	60	ASTM D2240
Density (g/cm ³)	3.6	ASTM D792
Thermal Resistance @10psi (°C·in ² /W)	0.08	ASTM D5470
Thermal Resistance @50psi (°C·in ² /W)	0.07	ASTM D5470
Thermal Conductivity (W/m·K)	5.0	ASTM D5470
Recommended Operating Temperature (°C)	- 40~200	-
Flame Rating	V-0	UL 94

Reflectivity



Product Specifications

50 cc/pcs, 400 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

Ziitek Technology Ltd and its 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. Ziitek and its logo are the property of the company or its affiliates.



TIF050AB-WA-0226