

TIG[®]780-50 is a paste like thermal interface material designed specifically for the heat dissipation of various high and medium power electronic components. Under typical assembly pressure and small filling thickness, the material can fully wet the contact surface, effectively eliminate interface air, and form a continuous heat conduction path. This product can be widely used in general electronic equipment cooling scenarios that require both cost and performance, such as network communication, security monitoring, household appliances, and conventional industrial control hardware.



Features

- » Low thermal resistance
- » High thermal conductivity
- » Excellent wettability, able to fully wet the contact surface and eliminate air gaps
- » Long operating time, non-toxic and environmentally friendly

Applications

- » LED lighting
- » ASIC chip
- » Interface filling of CPU, GPU, and heat dissipation module
- » Vehicle control unit

Typical Properties of TIG[®]780-50

Property	Value	Test Method
Color	Gray	Visual
Construction	Ceramic filled silicone	-
Bond Line Thickness (mm)	0.031	-
Density (g/cm ³)	2.3	ASTM D792
Viscosity (mPa·s) @25°C	450000	GB/T 10247
Recommended Operating Temperature (°C)	-45~200	-
Thermal Impedance (°C·in ² /W) @30psi	0.013	ASTM D5470
Thermal Conductivity (W/m·K)	5.0	ISO22007
Volume Resistivity (Ohm·cm)	> 1.0×10 ¹³	ASTM D257
Volatility Loss (%) @150°C, 24 hrs	< 0.1	-

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.



TIG780-50-0826