



**TIG<sup>®</sup>780-50HP Series** is an environmentally friendly silicone based thermal paste designed to efficiently solve overheating problems in electronic devices and improve long-term reliability, TIG<sup>®</sup>780-50HP is a paste like material that can fully wet the surfaces of electronic components and heat sinks. It acts to fill the gaps between electronic components and heat sinks, eliminate air, and significantly improve heat dissipation efficiency (better than traditional thermal pads or ordinary silicone grease), thereby forming an extremely low thermal resistance interface and achieving excellent thermal conductivity efficiency.

## Features

- » High thermal conductivity
- » Excellent low thermal resistance
- » Good electrical insulation
- » Excellent long-term stability
- » Non toxic, environmentally friendly, and safe, meeting RoHS requirements

## Application

- » AI server
- » Industrial equipment
- » Medical electronic devices
- » LED TV, LED lighting fixtures
- » Automotive Electronics (New Energy and Intelligence)
- » High end consumer electronics and portable devices

Typical Properties of TIG <sup>®</sup> 780-50HP Series		
Property	Value	Test Method
Color	Gray	Visual
Construction	Metal oxide/Silicone oil	Ziitek Test Method
Density (g/cm <sup>3</sup> )	2.30	ASTM D792
Thermal Conductivity (W/m·K)	5.0	ASTM D5470
Bond line Thickness (mm)	0.008	ASTM D374
Thermal Impedance (°C·in <sup>2</sup> /W) @30 psi	0.015	ASTM D5470
Thermal Impedance (°C·in <sup>2</sup> /W) @50 psi	0.012	ASTM D5470
Recommended Operating Temp (°C)	- 40 ~ 200	-
Viscosity (mPa.s)	200000	GB/T 10247

## Packaging Specifications

Packaging specifications: 0.5kg, 1kg, 2kg; If you have any other specification requirements, please contact our company.

## Global solutions: Local support

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