

**TIF®030AB-05S** is a highly thermally conductive, liquid gap filling material. It's provided with two-component and different temperature curing system. The product is supplied as highly thermal conductive material, soft elastomer for coupling on electronic device modul. Heat can transmit to the metal housing or dissipation plate from the separate elements or even the entire PCB, which in effect enhances the efficiency and life-time of the heat-generating electronic components. It's liquid approach offer variety of thickness, replacing individual die-cutting and specific pad thickness. Different from grease, the cured product is dry and can be touched, which is intended for use in further thermal applications.

## Features

- » Good thermal conductivity: **3.0 W/mK**
- » Two-part formulation for easy storage
- » Excellent low and high temperature mechanical and chemical stability
- » Ultra-conforming low-stress interface application
- » Ambient or accelerated cure schedules
- » Optimized shear thinning characteristics for ease of dispensing

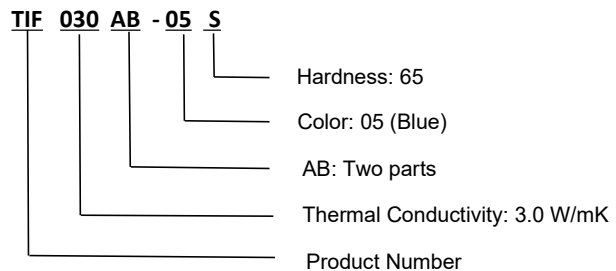
## Application

- » Computer and peripherals
- » Telecommunications
- » Automotive electronics
- » Thermally conductive vibration dampening
- » Heat sink and any heat generating semiconductor

### Typical Properties of TIF®030AB-05S Series

Uncured Material Properties		
Property	Value	Method
Color/Part A	White	Visual
Color/Part B	Blue	Visual
Part A Viscosity (mPa·s)	1,500,000	GB/T 10247
Part B Viscosity (mPa·s)	900,000	GB/T 10247
Flow Rate (g/min)	25	Ziitek Test Method (50 cc syringe/1.5 mm orifice/90 psi)
Density (g/cm <sup>3</sup> )	3.1	ASTM D792
Bond Line Thickness (mm)	0.2	Ziitek Test Method
Thermal Resistance @10psi (°C·in <sup>2</sup> /W)	0.075	ASTM D5470
Thermal Resistance @50psi (°C·in <sup>2</sup> /W)	0.045	ASTM D5470
Mix Ratio	1:1	-
Shelf Life	12 months	-
Cure Schedule		
Pot Life @ 25°C	30 min	Ziitek Test Method
Cure @ 25°C	16 hrs	Ziitek Test Method
Cure @ 70°C	60 min	Ziitek Test Method
Cure Material Properties		
Color	Blue	Visual
Hardness (Shore OO)	65	ASTM D2240
Recommended Operating Temp (°C)	-40 ~ 200	-
Breakdown Voltage (V/mm)	≥ 5500	ASTM D149
Flame Rating	V-0	UL 94
Thermal Conductivity (W/mK)	3.0	ASTM D5470

## Product Identifier



## 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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