

TIF[®] 030AB-11U is a highly thermal conductive, liquid gap filling material. It is provided with two-component and different temperature curing systems. The product is supplied as highly thermal conductive, soft and elastomer for coupling on electrical devices. 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 is a liquid approach offering a variety of thickness, replacing individual die-cut and specific pad thickness. Different from grease, the cured product is dry and can be touched. It is intended for use in thermal applications.

Features

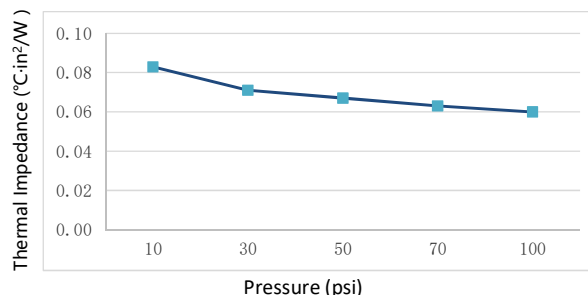
- › High thermal conductivity
- › Two-part formulation for easy storage
- › Excellent low and high temperature mechanical and chemical stability
- › Ultra-conforming low-stress interface application
- › Ambient or accelerated cure schedules
- › Optimized shear thinning characteristics for ease of dispensing

Applications

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

Typical Properties of TIF [®] 030AB-11U		
Uncured Material Properties		
Property	Value	Test Method
Color/Part A	White	Visual
Color/Part B	Gray	Visual
Part A Viscosity (mPa·s)	1,000,000	GB/T 10247
Part B Viscosity (mPa·s)	1,200,000	GB/T 10247
Density (g/cm ³)	3.1	ASTM D792
Mix Ratio	1:1	-
Shelf Life (Month) @25°C	6	-
Cure Schedule		
Pot Life @ 25°C	30 mins	Ziitek Test Method
Cure @ 25°C	6 hours	Ziitek Test Method
Cure @ 70°C	30 mins	Ziitek Test Method
Cure Material Properties		
Color	Gray	Visual
Hardness (Shore OO)	27	ASTM D2240
Recommended Operating Temperature (°C)	-45 ~ 200	-
Breakdown Voltage (V/mm)	≥5500	ASTM D149
Flame Rating	V-0	UL 94
Thermal Conductivity (W/m·K)	3.0	ASTM D5470

Thermal Impedance



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

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