

TIF[®]060 AB-16S 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 a highly thermal conductive, soft elastomer for coupling on electrical devices modules. 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 thicknesses, replacing individual die-cut and specific pad thickness. Different from grease, the cured product is dry and can be touched. It can be intended for use in thermal applications.

Features

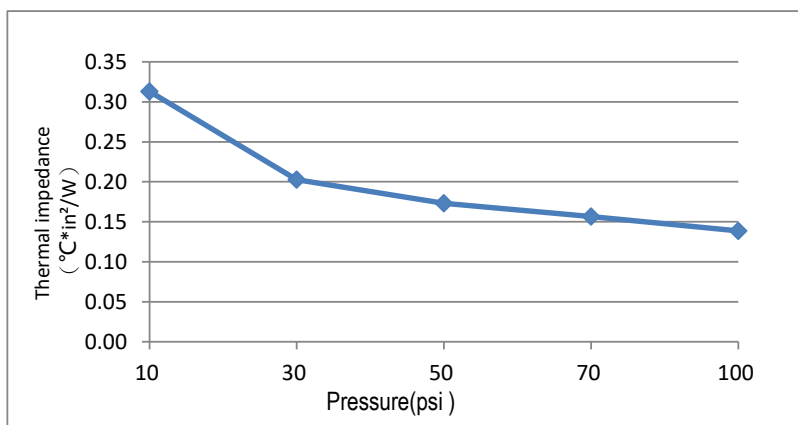
- › Good thermal conductivity: **6.0 W/mK**
- › Two-part formulation for easy storage
- › Excellent low and high temperature mechanical and chemical stability
- › Ultra-conforming low-stress interface application
- › Ambient or accelerated cure schedules
- › Optimized shear thinning characteristics for 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 [®] 060 AB-16S Series		
Typical Uncured Material		
PROPERTY	NUMERICAL	TEST METHOD
Color/Part A	White	Visual
Color/Part B	Purple	Visual
Part A Viscosity (mPa·s)	6,500,000	GB/T 10247
Part B Viscosity (mPa·s)	5,000,000	GB/T 10247
Density (g/cm ³)	3.4	ASTM D792
Bond line Thickness(mm)	0.2	ASTM D374
Mix Ratio	1:1	Ziitek Test Method
Shelf Life @25°C	6 months	Ziitek Test Method
Cure Schedule		
Pot Life @ 25°C	30 mins	Ziitek Test Method
Cure @ 25°C	120 mins	Ziitek Test Method
Cure @ 100°C	30 mins	Ziitek Test Method
Cure Properties		
Color	Purple	Visual
Suggested Temp Range	-45 ~ 200°C	Ziitek Test Method
Voltage Strength (V/mm)	≥5500	ASTM D149
Volume Resistivity (Ohm-cm)	>2.0X10 ¹²	ASTM D257
Flame Rating	V-0	UL 94
Thermal Conductivity (W/mK)	6.0	ASTM D5470
Specific Heat Capacity (J/(g·°C))	0.8	ASTM E1269

Thermal impedance



Product Specification

50 cc/pc, 48 pc/box; 400 cc/pc, 9 pc/box

We offer the custom packaged in syringes for automated dispensing applications. Please contact us for confirming.



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