

TIF080® AB-11S 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 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 lifetime of the heat-generating electronic components. It is liquid approach offers variety of thickness, 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: **8.0 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

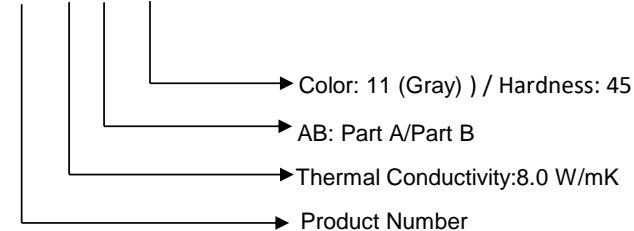
Application

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

Typical Properties of TIF®080 AB-11S Series		
Typical Uncured Material		
PROPERTY	NUMERICAL	TEST METHOD
Color/Part A	white	Visual
Color/Part B	gray	Visual
Flow Rate (g/min) @75psi	4.5	-
Density (g/cm ³)	3.4	ASTM D792
Bond line Thickness(mm) @30psi	0.2	ASTM D374
Mix Ratio	1:1	-
Shelf Life@25°C	6 months	-
Cure Schedule		
Pot Life @ 25°C	30 mins	-
Cure @ 25°C	120 mins	-
Cure @ 100°C	30 mins	-
Cure Properties		
Color	gray	Visual
Hardness (Shore OO)	45	ASTM D2240
Suggested Temp Range	-45 ~ 200°C	-
Voltage Strength (V/mm)	≥4000	ASTM D149
Volume Resistivity (Ohm-cm)	> 1.0X10 ¹²	ASTM D257
Flame Rating	V-0	UL 94
Thermal Conductivity(W/mK)	8.0	ASTM D5470
Thermal impedance@10psi (°C-in ² /W)	0.72	ASTM D5470
Thermal impedance @50psi (°C-in ² /W)	0.60	ASTM D5470

Product Identification:

TIF 080AB - 11S



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.



Thermally Conductive Materials | Thermally Conductive Plastics | Heat Generating Materials | Shielding Materials | Foaming Silica Gel | Die-Cutting Products

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