



TIF®020AB-23S-D is a high thermal conductivity liquid gap filler featuring a two-component design with temperature-dependent curing times. Its flexibility and elasticity allow it to conform to uneven surfaces, efficiently transferring heat from individual components or entire PCBs to metal housings or heat spreaders, thereby enhancing the thermal performance and lifespan of electronic devices. Supplied in liquid form, it supports a wide range of thicknesses, eliminating the need for die-cut thermal pads.

Features

- › Good thermal conductivity: **2.0 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®020AB-23S-D Series

Uncured Material Properties		
Property	Value	Method
Color/Part A	White	Visual
Color/Part B	Blue	Visual
Flow Rate (g/min)	15.0	Ziitek Test Method (50 cc syringe/ 1.5 mm orifice/ 90 psi)
Density (g/cc)	1.97	ASTM D297
Bond Line Thickness (mm)	0.2	Ziitek Test Method
Thermal Resistance @10psi (°C·in ² /W)	0.17	ASTM D5470
Thermal Resistance @50psi (°C·in ² /W)	0.15	ASTM D5470
Mix Ratio	1:1	-
Shelf Life	12 months	-
Cure Schedule		
Pot Life @ 25°C	30 min	Ziitek Test Method
Cure @ 25°C	60 min	Ziitek Test Method
Cure @ 70°C	30 min	Ziitek Test Method
Cure Material Properties		
Color	Blue	Visual
Hardness (Shore OO)	45	ASTM D2240
Recommended Operating Temp (°C)	-45 ~ 200	Ziitek Test Method
Breakdown Voltage (V/mm)	≧ 5500	ASTM D149
Flame Rating	V-0	UL 94
Thermal Conductivity (W/mK)	2.0	ASTM D5470

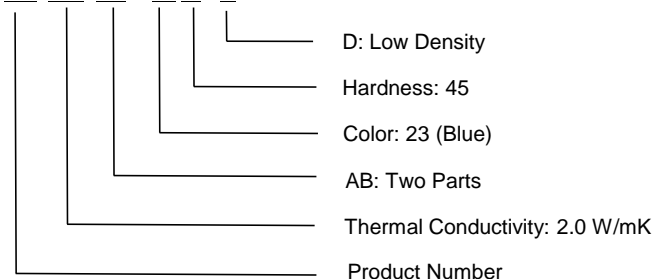
Product Specification

50 cc/pcs, 48 pcs/box or 400 cc/pcs, 9 pcs/box.

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

Product Identifier

TIF 020 AB - 23 S - D



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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