



TIF[™] 020AB-19S High Thermal Conductive Two Component Series

TIF[™] 020AB-19S Series is a highly thermal conductive, liquid gap filling material. It is provide with two-component and different temperature curing system. The product was supplied as highly thermal conductive, soft and elastomer for coupling on electrical devices 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 is liquid approach offer variety of thickness, replacing individual di-cut and

specific pad thickness. Different from grease, the cured product is dry and

Typical Properties of TIF[™]020AB-19S Series

Typical Uncured Material

Cure Schedule

Cure Properties

NUMERICAL

White

Yellow

550,000 cps

2.6 g/cc

1:1

6 months

30 min

60 min

30 min

Yellow

45 Shore 00

-45 ~ 200℃

200 V/mil

3.8 MHz

10¹² Ohm-meter

94 V0

2.0 W/mk

 $2.3 \text{ MJ/m}^3\text{K}$

can be touch. It can intented for use in thermal applications.

PROPERTY

Color/Part A

Color/Part B

Viscosity as Mixed (cps)

Densitv

Mix Ratio

Shelf Life@25℃

Pot Life @ 25℃

Cure @ 25°C

Cure @ 100℃

Color

Hardness

Continuous Use Temp

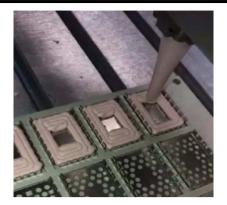
Voltage Strength

Dielectric Constant

Volume Resistivity

Flame Rating Thermal Conductivity

Specific heat capacity



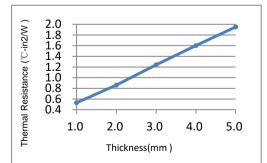
Features

- Good thermal conductivity: 2.0 W/mK
- > Two-part formulation for easy storage
- Excellent low and high temperature mechanical and chemical stability
- » 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 semicondutor

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 despensing applications. Please contact us for confirming.

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

Canada:

Tel:+001-604-2998559 E-mail: sales@thermazig.com China: Tel: +86-769-38801208 E-mail:frances@ziitek.com.tw Taiwan: Tel:+886-2-22771007 E-mail:frances@ziitek.com.tw

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein.

Product Identification: TIF 020 AB - 19 S



Hardness:S-Soft
Color: 19 (Yellow)
AB:Two Parts

Thermal Conductivity:2.0 W/mK

Product Number



TEST METHOD

Visual

Visual

GB/T 10247

ASTM D792

Visual

ASTM D2240

ASTM D149

ASTM D150

ASTM D257

E331100

ISO22007-2

ISO22007-2