



BERGQUIST HI FLOW THF 5000UT

April 2024

PRODUCT DESCRIPTION

BERGQUIST HI FLOW THF 5000UT is tacky, high performance, unreinforced phase change TIM that provides the following product characteristics:

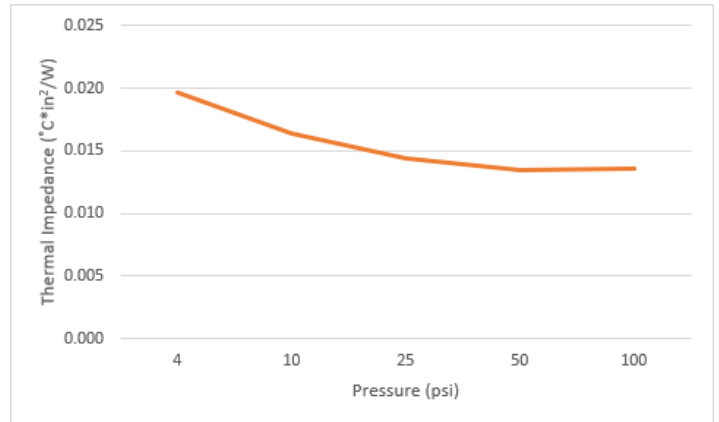
Technology	Phase change material
Appearance	Gray
Product benefits	<ul style="list-style-type: none"> • Low thermal impedance and/or thermal resistance • Excellent thermal performance for low pressure application • Excellent reliability • Easy for handling and re-work
Phase change temperature, °C	45
Operating temperature, °C	-40 to 150
Application	Switches, Routers, Servers, Computers, Automotives
Flammability rating	UL94-V0

BERGQUIST HI FLOW THF 5000UT is a reworkable phase change thermal interface material suitable for use between a heat sink and variety heat generating components. The material flows at the phase change temperature, conforming to the surface features of the components. Upon flow, air is expelled from the interface, reducing thermal impedance, performing as a highly efficient thermal transfer material.

TYPICAL MATERIAL PROPERTIES

Physical Properties

Thermal impedance ASTM D5470, °C*in ² /W @ 10 psi, 70°C	0.016
Thermal conductivity, W/m*K	
Multiple thickness, ASTM D5470	5.3
Modified ASTM D5470 for thin bondline materials	8.5
Melting point, °C	
Oscillatory parallel plate rheometer	45
Thickness range, mil	8, 10 & 12



GENERAL INFORMATION

Please consult the Safety Data Sheet (SDS) for safe handling information of this product.

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on the specifications of this product.

Storage:

Store product in an unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 22°C. Storage greater than 35°C can adversely affect product properties.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Henkel representative.

Conversions

- (°C x 1.8) + 32 = °F
- kV/mm x 25.4 = V/mil
- mm / 25.4 = inches
- µm / 25.4 = mil
- N x 0.225 = lb
- N/mm x 5.71 = lb/in
- N/mm² x 145 = psi
- MPa x 145 = psi
- N·m x 8.851 = lb·in
- N·m x 0.738 = lb·ft
- N·mm x 0.142 = oz·in
- mPa·s = cP



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Reference 4