

## DATA SHEET OF COMPATHERM FIP 9332

### 1. Introduction



Compatherm 9332 is a precured dispensable thermal compound from Nolato.

#### Features and benefits

- High 3.5 W/mK thermal conductivity
- Operating temperature -40 to +150° C
- Ultra conforming
- Very good wetting.
- Low contact resistance
- Low silicone oil bleeding

#### Applications

The product is used to transfer heat from hot components on a PCB to a heat sink. This gives the ability to cover various gap heights and complex geometries with a very low closure force.

### 2. Typical material properties

Property	Test procedure	Unit	9332
Base material			Silicone
Color			Light blue
Density	ISO2781	g/cm <sup>3</sup>	3,0
Flow rate			TBD
Viscosity			TBD
<b>Deflection</b>	See table		
Minimum bondline thickness		mm	0,2
Thermal conductivity	ISO 22007-2 modified	W/mK	3,5
Volume resistivity	ASTM D 257	Ohm-cm	1*10 <sup>14</sup>
Breakdown voltage	ASTM D149	kV/mm	>5
Outgassing, TML /CVCM	ASTM E595	%	0,13/0,03
Flammability	UL94		TBD

### 3. Compression force at different degrees of compression

Compatherm FIP require an ultralow force upon compression. Below is typical data of maximum force when a 1 cm<sup>2</sup> area is compressed starting at a fully filled 5 mm gap. Compression speed is 50 mm/min.

Compression degree	Force [N/cm <sup>2</sup> ]
20%	1,00
30%	1,50
40%	1,80
50%	2,30
60%	3,10
70%	4,80
80%	8,65
90%	21,00

### 4. Ordering Compatherm

Compatherm is available as standard in 310 ml cartridges. On request the Comatherm FIP can be delivered in larger cartridges or pails. Please consult the marketing department of Nolato if this options is requested.

### 5. Storage conditions

The material have a shelf life is at least 6 month if stored at room temperature.