Techsil® TIM11021 Grey

Techsil® TIM11021 Grey is a non curing silicone compound that provides high thermal conductivity. It exhibits virtually no oil separation and minimal weight loss at elevated temperature ranges which contributes to stability of the TIM interface under broad operational temperature ranges.

Key Performance Properties

- High thermal conductivity
- Low oil bleed and minimal weight loss at elevated temperatures
- Wide operating temperature range (-40°C ~ 150°C)
- Minimal Ionic impurities

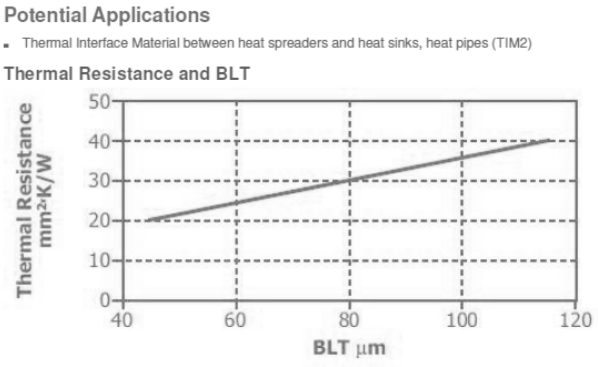
Typical Physical Properties		
Appearance		Grey, paste
Viscosity at 23°C	Pa's	250
Specific Gravity (23°C)	g/cm^3	2.90
Unworked Penetration(1) (23°C)		345
Bleed (150°C, 24h)	wt%	0
Evaporation (150°C, 24h)	wt%	0.1
Thermal Conductivity(2)	W/m,k	2.1
Thermal Resistance(3) (BLT:45µm)	mm^2. K/W	20
Volume resistivity	Ωcm	$1x10^{14}$
Dielectric Strength	kV/0.25mm	3
Volatile Siloxane (D3-D10)	ppm	<100
Ionic Content ppm	Na+	2.0
	K+	0.0
	CI-	0.0

(1) JIS K 2220
(2) Hot wire method
(3) Laser flash method
Typical property data values should not be used as specifications

Potential Applications

Thermal interface Material between heat spreaders and heat sinks, heat pipes (TIM2)

Thermal Resistance and BLT



Contact Details

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Specifications

Typical product data values should not be used as specifications. Assistance and specifications are available by contacting Techsil

Product Safety, Handling and Storage

Safety Data Sheets are available on request from Techsil.

- Wear eye protection and protective gloves as required while handling the product
- Use the product in a well ventilated area
- Store in a dark, cool place out of direct sunlight

The shelf life will be indicated by the 'Use before date' on the associated documents with a minimum of 6 months when stored in the original unopened containers between 2°C and 27°C

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their particular use.

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