



SilCool* TIG210BX

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Description

TIG210BX is a silicone compound that provides high thermal conductivity. It exhibits virtually no oil separation and minimal weight loss at elevated temperatures, which contributes to stability of the TIM interface under broad operational temperature ranges.

Key Features and Benefits

- 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

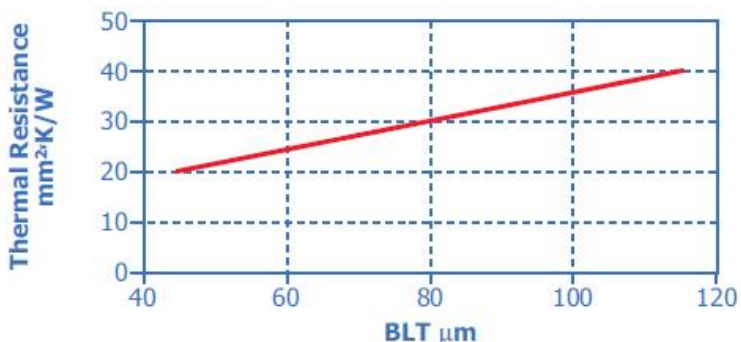
PROPERTIES		
Appearance		Gray paste
Specific Gravity (23°C)		2.9
Unworked Penetration ⁽¹⁾ (23°C)		345
Viscosity (23°C) Pa•s		250
Bleed (150°C, 24h) wt%		0
Evaporation (150°C, 24h) wt%		0.1
Thermal Conductivity ⁽²⁾ W/m•K		2.1
Thermal Resistance ⁽³⁾ (BLT: 45µm) mm ² •K/W		20
Volume Resistivity Ω•cm		1x10 ¹⁴
Dielectric Strength kV/0.25mm		3
Volatile Siloxane (D3-D10) ppm		<100
Ionic Contentppm	Na+	2.0
	K+	0.0
	Cl-	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



Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

- 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.
- Keep out of reach of children.

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Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Packaging

- 1kg can available in cases of 10
- 2kg bottle available in cases of 10

Contact Information

For product prices, availability, or order placement, contact our customer service by visiting momentive.com/ContactSilicones.

For literature and technical assistance, visit our website at: www.momentive.com

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