

SilCool™ TIG2000

Description

TIG2000 is a silicone grease compound featuring good thermal conductivity, dielectric properties, good workability, limited oil separation and minimal weight loss at elevated temperatures.

Key Features and Typical Benefits

- Excellent workability enabling automated dispensing, screen printing and stamping applications
- Wide operating temperature range: -40 °C to +150 °C
- Good thermal conductivity
- Low oil separation and minimal weight loss at elevated temperatures
- Minimal ionic impurities & excellent dielectric properties

Typical Physical Properties

(JIS K 2220)

<u>Property</u>	<u>Unit</u>	<u>Value</u>
Appearance		Pale blue paste
Specific gravity (23 °C)		2.8
Viscosity (23 °C)	Pa•s{P}	130 {1,300}
Bleed (150 °C, 24 hours)	wt%	0.1
Evaporation (150 °C, 24 hours)	wt%	0.1
Thermal conductivity	W/(m•K)	2.0
Volume resistivity	MΩ•m { Ω•cm}	1.0 x 10 ⁶ {1.0 x 10 ¹⁴ }
Dielectric strength	kV/0.25mm	5.0
Volatile siloxane (D ₃ - D ₁₀)	ppm	50

Typical property data values should not be used as or to develop product specifications.

Potential Applications

- Thermal Interface Material to secure heat path between heat spreaders and heat sinks(TIM2)
- Thermal management for power transistor, power IC and LSI systems and optical pickups
- Fixing thermistors and thermocouples on the measuring point

Patent Status

여기에 포함된 어떠한 내용도 관련 특허가 없음을 의미하거나 특허 소유자의 허가 없이 특허에서 다루는 발명을 실행하기 위한 허가, 유도 또는 권고를 구성하는 것으로 해석되어서는 안됩니다.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

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

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