



SilCool* TIG1000

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Description

Thermal conductive silicone grease. It has good thermal conductivity, dielectric properties, excellent workability and minimal weight loss at elevated temperatures.

Typical Physical Properties

Typical Property Data

Typical properties	unit	TIG1000
Property / Color		White Paste
Specific gravity (25°C)		2.5
Penetration ^{*1}		340
Bleed ^{*1} @150degC/24h	%	0.1
Evaporation ^{*1} @150degC/24h	%	0.1
Thermal conductivity	W/mK	1.00
Volume resistivity ^{*2}	MΩ · m	3.0 x 10⁵
Dielectric strength	kV/0.25mm	5.0
Volatile siloxane (D3-D10)	ppm	30

*1 JIS K 2220

*2 MIL-S-8660B

Temperature Property Shift

Temperature	Penetration	Bleed (%)	Evaporation (%)
Initial (25°C)	330	0.0	0.0
120°C, 24h	330	0.0	0.0
120°C, 168h	313	0.0	0.1
125°C, 24h	290	0.0	0.0

Key Features and Benefits

1.0W/mK thermal conductivity

Patent Status

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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.

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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