

SILCOOL™ YG6240 THERMALLY CONDUCTIVE SILICONE GREASE

Description

SILCOOL YG6240 is a thermally conductive silicone grease that is designed for minimized bleed.

Key Features and Typical Benefits

- Good thermal conductivity
- Extremely low bleed
- Operating temperature range -50 °C ~ +200 °C
- Low volatility

Typical Physical Properties

Property	Unit	Value
Appearance		White-Opaque
Specific Gravity (25 °C)		2.45
Worked Penetration ⁽¹⁾		290
Thermal Conductivity	W/m·k	0.84
Dielectric Constant (60Hz)		5.0
Dissipation Factor (60Hz)		0.005
Volume Resistivity	Ω·cm	2.0 x 10 ¹⁴
Evaporation (150 °C, 24 h)	%	0.4
Bleed (150 °C, 24 h)	%	0.0
Volatile Siloxane (D ₃ - D ₁₀)	ppm	30

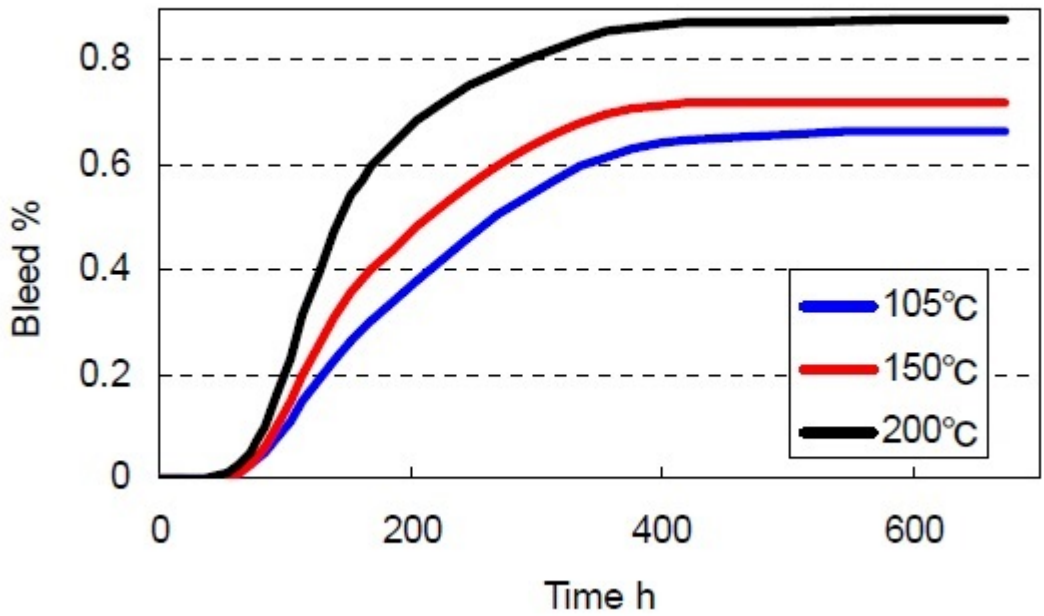
Typical physical properties are average data and should not be used as or to develop product specifications.

⁽¹⁾JIS K 2220

Potential Applications

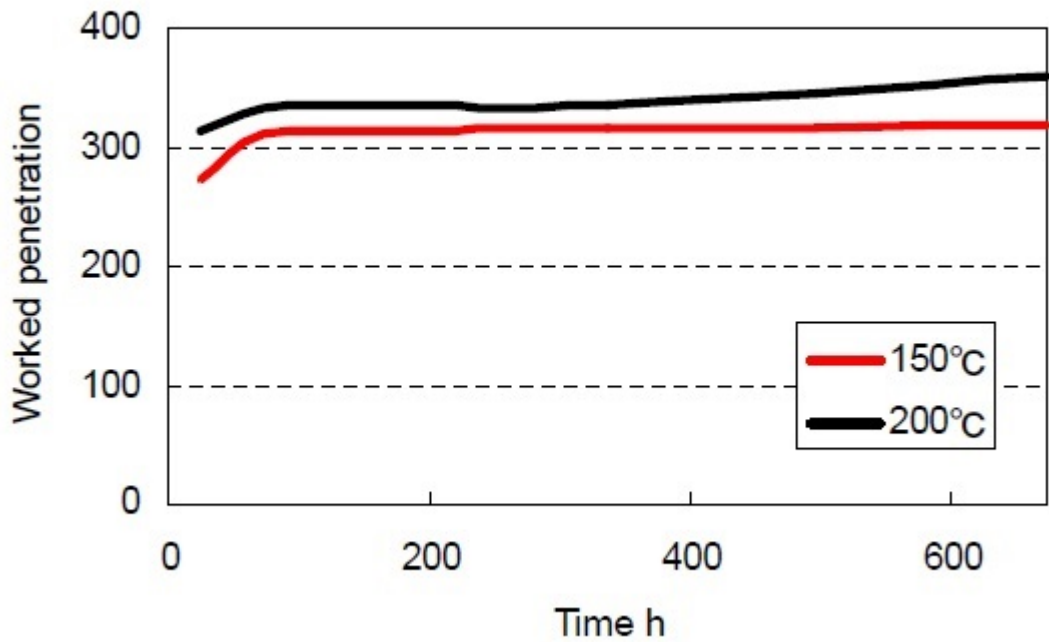
- Thermal interface to heat sinks and electronic components

CHANGE OF BLEED BY HEAT AGING



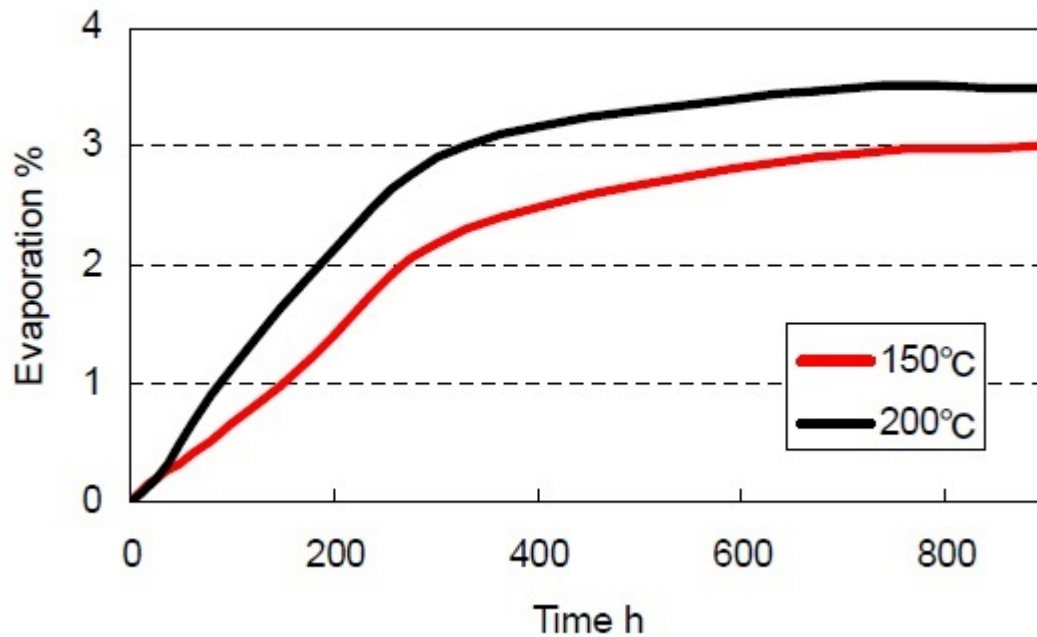
Note: Test results. Actual results may vary.

CHANGE OF WORKED PENETRATION BY HEAT AGING



Note: Test results. Actual results may vary.

CHANGE OF EVAPORATION BY HEAT AGING



Note: Test results. Actual results may vary.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the 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

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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