

CHEMLUBE® 209 SYNTHETIC HIGH TEMPERATURE LUBRICANT

Applications:

Chemlube 209 is a fully synthetic impregnating fluid formulated from premium polyol ester (POE) base oil designed for powdered metal bearings.

Chemlube 209G is formulated with the addition of colloidal graphite for extreme long life in electric motor bearings and wicks. Chemlube 209G is particularly useful where temperature is high and loads are heavy. This unique lubricating oil is the longest lasting synthetic fluid available for electric motor applications under severe operating conditions. Chemlube 209G has been tested for 4,000 hours at 250°F, 18,000 PV (pressure velocity) at 1,000 RPM without failure.

Typical Industrial Applications:

- Impregnating Lubricant
- Instruments
- Gas Turbines
- Compressors
- Conveyors
- Blowers
- Heaters
- Machine Tools
- Ovens
- High Temperature Motor Bearings
- Small Tools
- Electric Motors

Performance Benefits:

- Superior high temperature oil
- Low evaporation rate for long life
- Excellent oxidation and thermal stability
- Outstanding load carrying capability
- Wide useful temperature range, -40° to 450°F
- Longer life than other synthetic oils

Chemlube 209G (additional performance benefits):

- Excellent EP characteristics
- Quiet
- Easy starts at low temperatures
- Lasts up to ten times as long as other synthetic oils
- Containers should be mixed before opening or using for even dispersement

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HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at info@ultracheminc.com

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TYPICAL PROPERTIES	TEST METHOD	Chemlube 209	Chemlube 209G
Viscosity @ 40°C,cSt	ASTM D445	39.1	41.0
Viscosity @ 100°C,cSt	ASTM D445	6.5	7.6
Viscosity Index	ASTM D2270	120	157
Flash Point, °C/°F	ASTM D92	246/475	246/475
Pour Point, °C/°F	ASTM D97	-51/-60	-51/-60
Evaporation 22 hrs.@210°F, %	ASTM D972	0.28	0.28
Evaporation 6.5 hrs.@400°F, %	ASTM D972	3.40	---
Evaporation 100 hrs.@400°F, %	ASTM D972	21.11	---
Foaming	---	Nil	---
Moisture Content	---	Nil	---
Lbs./Gal.	---	8.33	8.38
Graphitic Carbon Content	---	---	0.3-0.5%
Graphite Particle Sizes, average micron	---	---	0.5-1.0
Specific Gravity	ASTM D1298	1.00	1.00

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