



OMNILUBE® FGM SERIES SYNTHETIC FOOD GRADE GREASE

Applications:

Omnilube FGM is a multi-purpose, premium polyalphaolefin (PAO)-based grease series designed for use in a wide variety of industrial applications where FDA/USDA regulations specify H1 grease for “incidental food contact”. Omnilube FGM grease provides equipment protection and performance characteristics expected in premium quality synthetic grease. This premium line of grease provides long life, a wide operating temperature range, very high load carrying capacity, excellent water washout, and anti-corrosion properties. Omnilube FGM is designed for use in all types of food machinery, anti-friction bearings, low to medium speed industrial bearings, slide ways and enclosed gears. Omnilube FGM out-performs other greases under wet conditions.

Typical Industrial Applications:

- Enclosed Gears
- Slide ways
- Anti-friction Bearings
- Industrial Bearings - low to medium speeds
- Industrial Food Machinery
- Proofer – High Humidity areas
- Food Processing (H-1)

Characteristics:

- Excellent mechanical stability
- Wide operating temperature range
- GC-LB bearing rated
- Serviceable at -40°F to 300°F; 400°F intermittently
- Excellent thermal and oxidative stability
- Deemed acceptable for use in Canada
- Complies with FDA 21 CFR 178.3570 H-1

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TYPICAL PROPERTIES	TEST METHOD (ASTM)	Omnilube FGM 0	Omnilube FGM 1	Omnilube FGM 2
NLGI Grade	D217	0	1	2
Color		Off-White	Off-White	Off-White
Texture		Smooth	Smooth	Smooth
Thickener		Complex Calcium Sulfonate	Complex Calcium Sulfonate	Complex Calcium Sulfonate
Penetration Worked	D217	355-385	310-340	265-295
Penetration after 10,000 strokes (% Change)		---	---	< 3.0
Dropping Point	D2265	> 307°C	> 307°C	> 316°C
Rust Protection	D1743	Pass	Pass	Pass
Four Ball EP				
Weld Load, kg.	D2596	--	--	400
Load Wear Index	D2783			50
Timken OK Load, kg.	D2509	--	--	27
Four Ball Wear, 40 Kg., 1200rpm, 75°C, 1 hr., Scar Diameter, mm	D2266	0.42	0.44	0.50
Water Wash Out, % Loss	D1264			< 1.0
Water Spray Off, % Loss	D4049			32.6
Base Oil		PAO	PAO	PAO
Base Oil Viscosity, cSt @ 40°C		100	100	100
Oxidation Resistance				
Bearing Life (hours)				150+
Bomb Oxidation, PSI drop after 100 hours, 99°C	D3527 D942	--	--	< 1
Copper Strip Corrosion	D4048	1b	1b	1b
Low Temperature Torque, g-cm	D1478			
Start, limit-<5,000		1801	3699	3500
(1) Hour Running, limit-<700				600
Specific Gravity	D1298	0.88	0.88	0.89

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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