

OMNILUBE[®] FGM 2 SYNTHETIC FOOD GRADE GREASE



Applications:

Omnilube FGM 2 is a multi-purpose premium polyalphaolefin (PAO)-based grease designed for use in a wide variety of industrial applications where FDA/USDA regulations specify H1 grease for “incidental food contact”. Omnilube FGM 2 grease provides equipment protection and performance characteristics expected in a premium quality synthetic grease. This premium grease provides long life, wide operating temperature range, very high load carrying capacity, excellent water washout, and anti-corrosion properties. This grease 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 2 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
- GCLB bearing rated
- Serviceable at -40°F and useful to 300°F continuous and 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	Omnilube FGM 2 (46cSt)	Omnilube FGM 2(100cSt)
NLGI Grade	---	2	2
Penetration Worked	ASTM D217	265-295	265-295
Penetration after 10,000 strokes	---	310-325	310-325
Dropping Point, °F	ASTM D2265	570	318
Rust Protection	ASTM D1743	Pass	Pass
Four Ball EP			
Weld Load, kg.	ASTM D2596	500	400
Load Wear Index	ASTM D2783	62	55
Timken OK Load, kg.	ASTM D2509	27	27.2
Four Ball Wear, 40 Kg., 1200rpm, 75°C, 1 hr., Scar Diameter, mm	ASTM D2266	0.40	0.40
Water Wash Out, % Loss	---	2.5	0.5
Thickener	---	Complex Calcium Sulfonate	Complex Calcium Sulfonate
Base Oil	---	PAO	PAO
Base Oil Viscosity, cSt	---	46	100
Oxidation Resistance			
Bearing Life (hours)	ASTM D3527	220	240
RPVOT, psi after 1000 hrs.	ASTM D952	6.0	6.0
Low Temperature Torque, g-cm	ASTM D1478		
Start, limit-<5,000		3500	3500
(1) Hour Running, limit-<700		600	600
Specific Gravity	ASTM D1298	0.89	0.95-1.05

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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