



OMNILUBE[®] FGM 00, 0, 1 and 2 SYNTHETIC FOOD GRADE GREASE

Applications:

Omnilube FGM 00, 0, 1, and 2 are multi-purpose premium polyalphaolefin (PAO)-based greases designed for use in a wide variety of industrial applications where FDA/USDA regulations specify H1 grease for "incidental food contact". The Omnilube FGM Series of greases provide equipment protection and performance characteristics expected in a premium quality synthetic grease. These premium greases provide long life, wide operating temperature range, very high load carrying capacity, excellent water washout, and anti-corrosion properties. These greases are designed for use in all types of food machinery, anti-friction bearings, low to medium speed industrial bearings, slide ways and enclosed gears. The Omnilube FGM series of greases out-perform other greases under wet conditions.

Typical Industrial Applications:

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

Characteristics:

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

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05/2013

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



900 Centerpoint Blvd.
New Castle, DE 19720
P.....302-325-9880
F.....302-325-0335
info@ultracheminc.com



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TYPICAL PROPERTIES	TEST METHOD	Omnilube FGM 00	Omnilube FGM 0	Omnilube FGM 1	Omnilube FGM 2
NLGI Grade	---	00	0	1	2
Penetration Worked	ASTM D217	400-430	355-385	310-340	265-295
Penetration after 10,000 strokes	---	---	---	310-325	310-325
Dropping Point, °F	ASTM D2265	570	570	570	570
Rust Protection	ASTM D1743	Pass	Pass	Pass	Pass
Four Ball EP					
Weld Load, kg.	ASTM D2596	400	500	500	500
Load Wear Index	ASTM D2783	47.23	62	62	62
Timken OK Load, kg.	ASTM D2509	27	27	27	27
Four Ball Wear, 40 Kg., 1200rpm, 75°C, 1 hr., Scar Diameter, mm	ASTM D2266	0.56	0.40	0.40	0.40
Water Wash Out, % Loss	---	2.5	2.5	2.5	2.5
Thickener	---	Complex Calcium Sulfonate	Complex Calcium Sulfonate	Complex Calcium Sulfonate	Complex Calcium Sulfonate
Base Oil	---	PAO	PAO	PAO	PAO
Base Oil Viscosity, cSt	---	180	100	75	46
Oxidation Resistance					
Bearing Life (hours)	ASTM D3527	220	220	220	220
RPVOT, psi after 1000 hrs.	ASTM D952	6.0	6.0	6.0	6.0
Low Temperature Torque, g-cm	ASTM D1478				
Start, limit-<5,000		3500	3500	3500	3500
(1) Hour Running, limit-<700		600	600	600	600
Specific Gravity	ASTM D1298	0.89	0.89	0.89	0.89

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