



TECHNICAL DATA SHEET

OMNILITH™ (Formerly Omnolith™ H-2) LITHIUM GREASE

Omnolith™ is designed for general purpose lubrication where good resistance to water washout and tolerance of dusty or contaminated conditions are required. It offers good wear protection. The simple lithium soap base used in Omnolith™ is extremely shear stable, resists age hardening, and helps reduce noise levels.

The off-white color of this grease is valuable where staining of product (paper, fabric, wood, etc.) is undesirable. Registered with NSF for use in food plants and rated H-2.

Maximum DN factor: 500,000
 Maximum continuous temperature: 250°F (121°C)
 Maximum occasional temperature: 300°F (149°C)
 Appearance: Off-white, smooth, buttery

To calculate the DN factor of a bearing, use the following:

DN factor for a bearing = $dm \times rpm$
 Where dm = (bearing inside diameter in millimeters + bearing outside diameter) ÷ 2.

BENEFITS:

- H-2 AUTHORIZED - may be used in facilities where there is no possibility of the lubricant contacting edible products.
- DISTINCTIVE OFF-WHITE COLOR - easy to see in bearings. Will not stain wood, fabric or paper products.
- WATER RESISTANT - works well in wet environments.
- CORROSION INHIBITED - protects against rust and corrosion.
- MECHANICALLY STABLE - excellent for pumping through automatic lubrication systems.

APPLICATIONS:

Whitmore's Omnolith™ is recommended for all types of rolling (anti-friction) bearings as well as plain bearings, bushings, slides, and chassis in both industrial and mobile equipment. Typical applications are motor bearings, tailstock spindles, grinder spindles, pumps, slideways, and couplings. It can be applied both manually and automatically.

ASTM #	Grade	TYPICAL CHARACTERISTICS	
		0	2
D-217	Cone Penetration (worked)	355-385	265-295
D-566	Dropping Point, °F (°C)	>350 (177)	>350 (177)
D-445	Kinematic Viscosity cSt @ 40°C cSt @ 100°C	92 12	169 13
Gardner Method	Density, lb/gl @ 60°F (15.5°C) Specific Gravity, g/cc @ 60°F (15.5°C)	7.88 0.946	7.65 0.918
D-2596	Four Ball EP Weld Point, kg	315	315
D-2266	Four Ball Wear Scar Width, mm	0.71	0.60
D-1743	Rust Test	Pass	Pass
D-4048 (Modified)	Copper Strip Corrosion for Greases 212°F (100°C) @ 3 hrs	1B	1B
	Thickener Type	Lithium	Lithium
OEM Standard	Low Temperature Pumpability, Lincoln Ventmeter @ 400 psi, °F (°C)	-20 (-29)	25 (-4)
	Color	Off-White	Off-white

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Drums	Pails
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THE WHITMORE MANUFACTURING COMPANY

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