



# TECHNICAL DATA SHEET

## OMNILITH™ MB LONG TERM GREASE FOR ELECTRIC MOTORS

Omnilith™ MB is a solids-free shear-stable grease designed for long term lubrication of electric motor bearings in a variety of industries. It provides robust wear protection and an extremely low coefficient of friction.

Omnilith™ MB is suitable for bearings that operate outdoors in cold weather. The thickener and additives have been selected to ensure excellent pumpability and minimal drag even at very low temperatures.

To ensure good performance and long term stability it is best to start with a clean bearing or flush out the old grease.

Omnilith™ MB has good water resistance, but is not designed for use in applications where there is immediate contact with water. For applications such as Steel Mill Roll Stands or Paper Machines consult with Whitmore's Technical Service Department at [techservice@whitmores.com](mailto:techservice@whitmores.com)

### BENEFITS:

- **LONG LIFE** – resists oxidation and thickening over long periods.
- **WEAR PROTECTION** – contains anti-wear additives that enhance wear protection.
- **CLEAN OPERATION** – excellent resistance to rust and formation of deposits.
- **LOW TEMPERATURES** – perfect choice where equipment is operating outdoors in winter

### APPLICATIONS:

Omnilith™ MB is suitable for use in electric motor bearings, high speed packaging equipment, conveyors, bearings on theme park equipment, farm machinery, construction equipment, textiles, etc.

ASTM #		TYPICAL CHARACTERISTICS
	<b>Grade</b>	2
<b>D-217</b>	<b>Cone Penetration (Worked)</b>	265-295
<b>D-2265</b>	<b>Dropping Point, °F (°C)</b>	463 (240)
<b>D-445</b>	<b>Kinematic Viscosity</b>	
	cSt @ 40°C	113
	cSt @ 100°C	11
<b>Gardner Method</b>	<b>Density, lb/gal @ 60°F (15.5°C)</b>	7.49
	<b>Specific Gravity, g/cc @ 60°F (15.5°C)</b>	0.8994
<b>D-2266</b>	<b>Four Ball Wear</b>	
	Scar Width, mm	0.45
<b>D-1264</b>	<b>Water Washout, % Loss @ 175°F (79°C)</b>	4
<b>D-1743</b>	<b>Rust Test</b>	Pass
<b>FTM 321.2</b>	<b>Screen Bleed, % Loss</b>	<5
	<b>Thickener Type</b>	Lithium Complex
<b>D-1478</b>	<b>Low Temperature Torque</b>	
	Starting Torque @ -20°C, g/cm	1,000
	1 hr Running Torque @ -20°C, g/cm	140
	Starting Torque @ -30°C, g/cm	2,500
	1 hr Running Torque @ -30°C, g/cm	145
	<b>Operating Range (electric motor bearings, horizontal)</b>	-40 (-40) to 375 (190)
	<b>Operating Range (electric motor bearings, vertical)</b>	-40 (-40) to 315 (157)
	<b>Texture</b>	Smooth, Buttery
	<b>Color</b>	Blue

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

### PACKAGING

Drums	Kegs	Pails
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### THE WHITMORE MANUFACTURING COMPANY

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