



TECHNICAL DATA SHEET

OMNILITH™ GL MULTI-PURPOSE GREASE

Omnilith™ GL is an outstanding multi-purpose grease that is suitable for use in extreme pressure applications. It was primarily designed to meet the "GC-LB" standards for vehicle chassis and wheel bearing lubrication, as governed by the NLGI (National Lubricating Grease Institute).

Omnilith™ GL is designed to lubricate wheel bearings in vehicles where front disk brakes are employed and high temperatures can be generated during breaking. It is also useful in industrial bearings operating up to 330°F (165°C).

Omnilith™ GL is free of solid materials and is suitable for use in precision bearings with internal clearance C2 or CN. It meets all NLGI GC-LB requirements such as high temperature life, resistance to oil leakage, elastomer compatibility, low temperature performance, and water resistance.

To ensure good performance and long term stability it is best to start with a clean bearing or flush out the old grease. Consult Whitmore's Technical Service Department for information on compatibility at techservice@whitmores.com

BENEFITS:

- CONFORMS TO GC-LB – meets the NLGI standards for use in vehicle wheel bearings and chassis lubrication points.
- EXTREME PRESSURE – outstanding extreme pressure characteristics make it suitable for use in very heavily loaded bearings.
- WATER RESISTANT – excellent resistance to water and formation of rust.
- WIDE TEMPERATURE RANGE – Use from -10°F to 330°F (-23°C to 205°C).

APPLICATIONS:

Omnilith™ GL is suitable for all vehicle chassis components and wheel bearings, including disc brake wheel bearings. Use in U-joints, ball joints, water pumps, fifth wheels, clutch bearings etc. It is also recommended in greased components of earthmoving equipment and in heavily loaded industrial bearings.

ASTM #		TYPICAL CHARACTERISTICS
	Grade	2
D-217	Cone Penetration	265-295
D-566	Dropping Point, °F (°C)	463 (240)
D-445	Kinematic Viscosity (Base Oil)	
	cSt @ 40°C	113
	cSt @ 100°C	11
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.49
D-2596	Specific Gravity, g/cc @ 60°F (15.5°C)	0.8994
	Four Ball EP	
	Weld Point, kg	500
	Load Wear Index	59
D-2266	Four Ball Wear, Scar Width, mm	0.46
D-1264	Water Washout, % Loss	<4
D-1743	Rust Test	Pass
D-4048	Copper Strip Corrosion for Greases	1B
Modified	212°F (100°C) @ 3 hrs	
	Thickener Type	Lithium Complex

ASTM #		NLGI Requirement		Omnilith™ GL 2 Results
		GC	LB	
D3527	High temperature life, Hours	≥ 80	N/A	160
D4170	Fretting protection, Mass Loss, mg	N/A	≤ 10	2.35
D4290	Leakage tendencies, g	≤ 10	N/A	0.83
D4693	Low temperature performance, Torque at -40°C, Nm	≤ 15.5	≤ 15.5	7.76

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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Performance Under Pressure Since 1893

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