



TECHNICAL DATA SHEET

OMNILITH™ 500 EXTREME PRESSURE GREASE

Omnilith™ 500 is an extreme pressure grease suitable for use in severe applications across a wide variety of operating conditions including high load, moisture, and a wide speed range.

The lithium complex soap base allows for use at temperatures up to 450°F (232°C). Omnilith™ 500 EP 2 is the ideal choice as multipurpose grease in heavy-duty industry where extreme pressure or high temperature performance is required.

Omnilith™ 500 EP 1 grade is softer and is highly recommended for use in auto-lube systems and in winter conditions.

Maximum DN factor: 300,000 (NLGI Grade 2)
 Maximum continuous temperature: 350°F (177°C)
 Maximum occasional temperature: 450°F (232°C)
 Appearance: Red, Tacky

BENEFITS:

- RESISTS WEAR - extends equipment life.
- WATER RESISTANT - stays in place when exposed to moisture.
- CORROSION INHIBITED - protects metal parts from effects of oxidation.
- MECHANICALLY STABLE - resists separation. Excellent for pumping through automatic lubrication systems.
- BROAD APPLICATION - suitable for use in a wide variety of applications at low or high temperatures, and over a wide speed range.

APPLICATIONS:

Universal grease for general applications, i.e. moisture, dust, vibration, shock loads, and extreme pressure. Use on electric motors, construction machines, vehicles, agricultural equipment, cranes, stackers, conveyor trolley bearings, and general industrial equipment. In wet or dirty environments, i.e. service stations, textile washing machines, pumps. In heavily loaded antifriction and plain bearings of mobile equipment, i.e. tie rod joints, universal joints, brake camshafts and splined shafts of motor vehicles, threaded spindles and guides of hoists, and bearing surfaces exposed to heavy loads. Recommended for use on wire ropes when applied using a pneumatic wire rope grease injector.

ASTM #	Grade	TYPICAL CHARACTERISTICS	
		1	2
D-217	Cone Penetration (Worked)	310-340	265-295
D-566	Dropping Point, °F (°C)	500 (260)	500 (260)
D-445	Kinematic Viscosity (Base Oil)		
		cSt @ 40°C	455
D-2161	Saybolt Viscosity (Base Oil)		
		cSt @ 100°C	31
Gardner Method	Density, lb/gl @ 60°F (15.5°C)		
		SUS @ 100°F	2,400
D-2596	Specific Gravity, g/cc @ 60°F (15.5°C)		
		SUS @ 210°F	153
D-2266	Four Ball EP, Weld Point, kg	7.60	7.65
D-1264	Four Ball Wear, Scar Width, mm	0.913	0.919
D-1743	Water Washout, % Loss	400	400
D-4048	Rust Test	0.56	0.56
Modified	Copper Strip Corrosion for Greases		
		212°F (100°C) @ 3 hrs	<10
OEM Standard	Thickener Type		
		Color	Lithium Complex
	Low Temperature Pumpability	Red	Lithium Complex
	Lincoln Ventmeter @ 400 psi, °F (°C)	1B	1B
		0 (-18)	10 (-12)

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

PACKAGING

Shuttle Tanks	Drums	Kegs	Pails	Cartridges 50 per case
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THE WHITMORE MANUFACTURING COMPANY

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Performance Under Pressure Since 1893

LIMITED WARRANTY: The Whitmore Manufacturing Company makes the Limited Express Warranty that at the date of delivery, its goods shall be free from defects in Whitmore's materials and workmanship and shall meet the express written statements of quality, if any, made by Whitmore in connection with the sale of the goods. Other than such Limited Express Warranty, there are no express warranties made with respect to the sale of goods and all implied warranties existing under the law are expressly disclaimed and negated, particularly, Whitmore NEGATES AND DISCLAIMS THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. All other liability, either in contract or tort, including without limitation, strict liability found in Section 402A of the Restatement of Torts or otherwise, is negated and disclaimed. The sole remedy for Whitmore's breach of such Limited Express Warranty shall be a refund of the purchase price of its goods, and Whitmore shall have no responsibility for incidental or consequential damages sustained as a result of the use of the goods, whether sustained to the goods themselves or to other property. Data listed are subject to usual manufacturing variations.