



TECHNICAL DATA SHEET

OMNILITH™ 360 EXTREME PURPOSE GREASE

Whitmore's Omnilith™ 360 Grease is lithium soap based and designed for use in a wide range of applications. The lithium 12-hydroxystearic soap base provides high shear stability, low oil separation and low hardening tendency. These qualities allow extension of re-lubrication intervals, reducing lubrication costs.

For general-purpose use where temperatures are in the mid range. Suitable for use over a wide speed range. Omnilith™ 360 is suitable for use in extreme pressure applications and offers good resistance to water and dust. Contains a high quality synthetic copolymer for added stability. Use Omnilith™ 360 EP 1 in automatic lubrication systems and single point lubricators.

Maximum DN factor: 400,000 (NLGI grade 2)
 Maximum continuous temperature: 250°F (121°C)
 Maximum occasional temperature: 300°F (149°C)
 Appearance: Translucent amber, smooth, buttery

BENEFITS:

- RESISTS WEAR - extends equipment life.
- CORROSION INHIBITED - protects metal parts from effects of oxidation.
- LONG SERVICE LIFE – stability, reversibility and low oil separation characteristics ensure long grease life.
- MECHANICALLY STABLE - Omnilith™ 360 EP 1 is highly mobile and is formulated to resist bleeding under high pressure. This makes it ideal for high-pressure central systems, even under cold weather conditions.

APPLICATIONS:

Omnilith™ 360 EP may be used on spindles, sheaves, motor bearings, couplings, conveyor bearings, hammer mills, and machine tool bearings and ways. Also for automotive chassis lubrication. On central lubrication systems, use Omnilith™ 360 EP 1.

ASTM #		TYPICAL CHARACTERISTICS		
		0	1	2
D-217	Grade	0	1	2
D-217	Cone Penetration (Worked)	345-375	305-335	265-295
D-2265	Dropping Point , °F (°C)	>340 (>171)	>350 (>177)	>360 (>182)
D-445	Kinematic Viscosity (Base Oil)			
	cSt @ 40°C	90	169	169
	cSt @ 100°C	11	13	13
D-2161	Saybolt Viscosity (Base Oil)			
	SUS @ 100°F	412	777	777
	SUS @ 210°F	53	60	60
Gardner Method	Density , lb/gal @ 60°F (15.5°C)	7.56	7.65	7.65
D-2596	Specific Gravity , g/cc @ 60°F (15.5°C)	0.908	0.918	0.918
D-2596	Four Ball EP , Weld Point, kg	315	315	315
D-2266	Four Ball Wear , Scar Width, mm	0.52	0.52	0.52
D-1264	Water Washout , % Loss	NA	<10	<5
D-1743	Rust Test	Pass	Pass	Pass
D-4048 (Modified)	Copper Strip Corrosion for Greases 212°F (100°C) @ 3 hrs	1B	1B	1B
OEM Standard	Thickener Type	Lithium	Lithium	Lithium
OEM Standard	Low Temperature Pumpability , Lincoln Ventmeter @ 400 psi, °F (°C)	-30 (-34)	18 (-8)	21 (-6)

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

PACKAGING

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

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Performance Under Pressure Since 1893

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