



## PRODUCT DATA SHEET Min-Lube EP 2

### **MIN-LUBE™ EP 2** *Premium Multipurpose Grease*

**MIN-LUBE EP 2 is a high performance, general purpose industrial grease that gives maximum protection in high shock load applications.** It is an ISO 220 mineral oil base thickened with a proprietary calcium sulfonate complex and a carefully selected additive package focused on anti-wear, high pressure, and anti-corrosion/oxidation.

#### **Product Features:**

- Extreme Pressure/Wear Protection
- Excellent Water Resistance
- Working Temperature range: 20 °F to 450 °F
- Extremely Shear Stable
- Excellent Corrosion Protection
- Excellent Shock Load Protection
- Compatible with lithium type greases
- Smooth Texture, Easy Flowing
- Rated for Low and High-Speed Applications
- Does not contain metals, PTFE or silicone.

#### **Customer Benefits:**

- Provides superior load and wear protection to bearings and long life to machinery.
- Protection against rust and corrosion in wet environments
- Extended bearing life and reduced downtime
- Designed to work effectively in most industrial applications.
- Good pumpability in a wide temperature range

#### **Suggested Applications:**

- Industrial manufacturing and maintenance
- Heavy industrial applications subject to high heat, loads, shear and water conditions
- Ideal for roller bearings and plain bearings in rotating, oscillation and sliding contact points. Also, for bushings, jibs, and other sliding actions where there are heavy loads.

#### **Packaging:**

Item Number	Description	Qty
MLEP2-C-10	14 oz/ 400g Standard Cartridge	10/case
MLEP2-C-4	14 oz/ 400g Standard Cartridge	4/pk
MLEP2-LS-10	14 oz/ 400g Lube Shuttle Cartridge	10/case
MLEP2-LS-4	14 oz/ 400g Lube Shuttle Cartridge	4/pk
MLEP2-35	35-pound Pail	each
MLEP2-400	400-pound Drum	each

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Type	Result	Unit	Test Method
NLGI Grade	2		
Color / Texture	Tan / Smooth		
Soap Type/Thickener	Calcium Sulfonate Complex		
Base Oil	Mineral		
Penetration, Worked	289	0.1mm	ASTM D 217
Work Stability, 10K	7	% Change	ASTM D 217
Dropping Point	535 (280)	°F (°C)	ASTM D 2265
Water Washout @ 175°F (79.4°C)	0.0	% loss	ASTM D 1264
4-Ball Wear, Scar Diameter	0.49	mm	ASTM D 2266
4-Ball Extreme Pressure, Weld point	500	kgf	ASTM D 2596
4-Ball EP Load Wear Index	151	kgf	ASTM D 2596
EMCOR Corrosion (Distilled Water)	0	0-5	ASTM D 6138
Copper Corrosion (tarnish-corrosion)	1b	1a-4c	ASTM D 130
Rust Test rating	Pass	Pass/Fail	ASTM D 1743
US Steel Mobility higher the number the better	20 @ 23 °F(-5°C)	grams/min	US Steel
Lincoln Ventmeter Lower the number the better	202 @ 23 °F(-5°C)	PSI	K95400
<b>Base Oil Characteristics</b>			
Viscosity @ 40°C,	220	cSt	ASTM D 445
Viscosity @ 100°C,	19.1	cSt	ASTM D 445
Viscosity Index (higher the number the less change)	97.7		ASTM D 2270
Flash Point	520 (271)	°F (°C)	ASTM D 92
Pour Point	0 (-18)	°F (°C)	ASTM D 97

**Good Pumpability for automatic/centralized lubrication systems** Lincoln Ventmeter result of 202 is well below the 400 psi upper limits of pressurized delivery.

**Suitable for grease gun flow** at 23 °F and higher

**Excellent Extreme Pressure (EP) and Anti-wear Performance** — illustrated by 4-Ball EP (ASTM D 2596) LWI results of over 151 kgf with a weld point of 500 kgf. 4-Ball Wear (ASTM D 2266) performance is equally impressive with typical wear scar of less than 0.49 mm.

**Protects Against Rust and Corrosion** — Easily passes the EMCOR Corrosion Test (ASTM D 6138) and the Corrosion Prevention Test (ASTM D1743)

**Excellent Water Resistance.** Exceptional Water resistance is shown in Water Washout Test ASTM D 1264, exhibiting a 0.0% loss at 175F