

Synthetic Blend Lithium Complex Grease

General Description

Maxtron® EP is an extreme duty, lithium complex, semisynthetic multi-purpose grease recommended for construction, industrial and agricultural use. Maxtron EP reduces friction between metal parts, especially in extreme pressure, severe load and shock loading applications. In addition, Maxtron EP contains 3% moly (Molybdenum Disulfide) to enhance the lubrication capabilities between sliding components, protect against extreme pressures and withstand shock loading.

Maxtron EP NLGI #2 grade grease qualifies for the highest performance level of automotive chassis and wheel-bearing grease, GC-LB. Its superior low-temperature characteristics, water resistance and superior oxidation control allow for long service.

Maxtron EP is produced with a specially selected synthetic blend base oil combined with a lithium complex thickener for high-temperature performance, and a carefully balanced additive package for superior rust control, oxidation control and wear protection. This combination provides excellent performance and protection in all types of extreme pressure applications.

Features and Benefits

- **Extreme Pressure Performance:** Superior extreme pressure properties and anti-wear additives reduce wear and maintenance costs.
- **Long Life:** Enhanced oxidative and thermal stability lead to longer grease life.
- **Moly Content:** Maxtron EP has the 3% Molybdenum Disulfide (“Moly”) that some types of equipment recommend.
- **Shock Loading:** The moly additive exhibits superior resistance to wear from shock loading and provides extra protection in heavily loaded components with slower moving, sliding or oscillating motions.
- **High Dropping Point:** A dropping point over 500°F demonstrates Maxtron EP’s ability to handle high-temperatures.
- **Rust and Corrosion Protection:** Superior rust and corrosion prevention leads to prolonged equipment life.
- **Seal Compatibility:** Excellent seal compatibility decreases degradation and swelling of seal materials.

Expect Superior Performance In

- High-temperature applications
- Moist environments
- Heavy shock load conditions
- Chassis lubrication
- Wheel bearings

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Typical Applications

Maxtron® EP is recommended for:

- NLGI Service GC-LB
- Hot and cold temperature operations
- Severe load applications
- Shock loading applications
- Equipment requiring high moly content
- Slower and medium speed severe load applications

Typical Customer

- Truck Service Shops
- Auto Service Shops
- Mining Service Companies
- Construction Companies
- Industrial Equipment Operators
- Agricultural Equipment Operators & Shops

Typical Properties

| Properties | Maxtron EP #2 | Maxtron EP #1 |
|-------------------------------------|-----------------|-----------------|
| NLGI Grade | 2 | 1 |
| NLGI Service Classification | GC-LB | |
| Thickener | Lithium Complex | Lithium Complex |
| Molybdenum Disulfide, Weight % | 3 | 3 |
| Color | Grey | Grey |
| Penetration, 60 strokes (range) | 265-295 | 310-340 |
| Dropping Point, Minimum °F | 500 | 500 |
| Base Oil Viscosity, cSt @ 40°C | 110 | 110 |
| Base Oil Viscosity, cSt @ 100°C | 13 | 13 |
| Base Oil Viscosity Index | 113 | 113 |
| Base Oil Group | Synthetic blend | Synthetic blend |
| Timken Load | 60 | 55 |
| Four Ball Wear Scar | 0.6 max | 0.6 max |
| Four Ball EP Weld | 400 | 400 |
| Four Ball Load Wear Index | 56 | 56 |
| Rust Protection | Pass | Pass |
| Copper Corrosion | 1b | 1b |
| Oxidation Stability @100 hrs | <5 | <5 |
| Oil Separation % Separated | 2 | 2 |
| Water Washout % Loss @ 175°F | <5 | <10 |
| High Temp Wheel Bearing Life, hrs | >80 | N/A |
| Low Temperature Torque @ -40°F, N-m | <15.5 | N/A |
| Operating Temperature Range °F | -20 to 280°F | -20 to 280°F |
| Operating Temperature Range °C | -30 to 140°C | -30 to 140°C |

The data can vary within given tolerances. Temperature range is given as a guideline only.

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit cenex.com/sds-library.