



Polytac® EP

Polytac EP is a high-performance, multipurpose, extreme-pressure polyurea grease specially developed to satisfy the severe lubrication requirements of plain and rolling-element bearings in long service life applications. It provides significant performance advantages over conventional soap-thickened greases in high-temperature, long-life and sealed-for-life applications.

Polytac EP is manufactured with high-quality base oils and a non-soap, polyurea thickener. It is compounded with a non-sulfur-phosphorus EP additive that provides extra protection against wear under heavy loading for longer bearing life, without being corrosive to yellow metals. It has excellent thermal stability at high temperatures plus high shear stability for long service life. It also has excellent low-temperature pumpability, is highly resistant to water washout, and protects against rust and corrosion.

Polytac EP is NLGI GC-LB certified for use as a multipurpose automotive wheel bearing and chassis lubricant.

Applications

- Automotive wheel bearings, chassis parts, constant-velocity (CV) joints and underhood applications, such as alternators, air conditioner compressor clutch bearings, water pumps and idler pulleys
- Sealed-for-life bearings
- High-speed antifriction bearings
- Agitator bearings in washing machines
- Equipment in steel mills and chemical plants exposed to chemical contaminants
- Industrial applications requiring a high-temperature, extreme-pressure, long-life grease

Features/Benefits

- Excellent high-temperature performance
- Excellent shear stability
- Excellent wear protection
- High load-carrying capacity
- Protects against rust and corrosion
- Excellent resistance to water washout
- Excellent low-temperature pumpability
- NLGI GC-LB certified

**Multipurpose
Extreme-Pressure
Polyurea Grease;
NLGI GC-LB
Certified**

Contact Information

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1-800-822-6457**

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1-877-445-9198**

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Polytac® EP

Typical Properties

| | |
|---|------------|
| NLGI Grade | 2 |
| Thickener | Polyurea |
| Color | Green |
| Dropping Point, °C (°F) | 260 (500) |
| Density, lbs/gal | 8.50 |
| Penetration, Worked (60 strokes), ASTM D217 | 265-295 |
| Texture | Smooth |
| Copper Corrosion, ASTM D4048 | 1a |
| Four-Ball EP, ASTM D2596, Weld Load, kgf | 400 |
| Four-Ball Wear, ASTM D2266, Scar Diameter, mm | 0.50 |
| Oxidation Stability, ASTM D942, 100 hours, | |
| Pressure Drop, psi (kPa) | 5 (35) |
| Rust Prevention, ASTM D1743 | Pass |
| Timken OK Load, ASTM D2509, lb | 60 |
| Water Washout Resistance, ASTM D1264, | |
| Weight Loss @ 175°F, % | 2 |
| Base Oil Properties: | |
| Viscosity, | |
| cSt @ 40°C | 129 |
| cSt @ 100°C | 11.6 |
| SUS @ 100°F | 683 |
| SUS @ 210°F | 66 |
| Viscosity Index | 71 |
| Usable Temperature Range, | |
| °C | -37 to 204 |
| °F | -35 to 400 |

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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