



Polytac® EP

Polytac EP is a high-performance, multipurpose, extreme-pressure polyurea grease specially developed to provide long service life in automotive and industrial 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 where a high-temperature, long-life, extreme-pressure grease is required

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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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 hrs, 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	70
Operating Temperature Range,	
°C	-22 to 163
°F	-30 to 325

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.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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