PHILLIPS 66 LUBRICANTS

Polytac® EP

Multipurpose

Extreme Pressure

Polyurea Grease

Phillips 66® Polytac EP is a high performance, multipurpose, extreme pressure (EP) 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 is non-corrosive to yellow metals and provides extra protection against wear under heavy loading for longer bearing life. It has excellent thermal and shear stability at high temperatures for long service life. It also has excellent low temperature pumpability, is highly resistant to water washout, and protects against rust and corrosion.

Applications

- Automotive wheel bearings, chassis parts, constant-velocity (CV) joints and under hood 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
- Excellent resistance to water washout
- Protects against rust and corrosion
- Excellent low temperature pumpability

KEEPING THE WORLD RUNNING SMOOTHLY.

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Typical Properties		
NLGI Grade		**2**
Thickener Type		Polyurea
Color		Green
Texture		Smooth
Density, lbs/gal		7.50
Dropping Point, °C (°F)	ASTM D2265	260 (500)
Viscosity, Kinematic	ASTM D445	
Viscosity @ 40°C, cSt		104
Viscosity @ 100°C, cSt		10.4
Penetration, Worked (60 strokes)	ASTM D217	265-295
Oxidation Stability, 100 Hours, psi (kPa)	ASTM D942	5 (34.5)
Four-Ball Wear Scar, mm	ASTM D2266	0.5
Four-Ball EP, Weld Load, Kgf	ASTM D2596	400
Timken OK Load, lbs	ASTM D2509	60
Corrosion Prevention	ASTM D1743	Pass
Copper Corrosion	ASTM D4048	1b

Health & Safety Information

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

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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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