



Polytac®

Phillips 66® Polytac is a high quality, multipurpose, non-extreme pressure (EP), polyurea grease developed for the lubrication of rolling element bearings in high temperature, long life applications where extreme pressure protection is not required. It is particularly recommended for the lubrication of electric motor bearings, sealed-for-life bearings and other lightly loaded, high speed antifriction bearings.

Polytac is manufactured with high quality base oils, select inhibitors and a non-soap, polyurea thickener. It has excellent oxidation resistance and high shear stability for long service life. It provides excellent protection against rust and corrosion and has outstanding resistance to water washout.

Polytac provides significant performance advantages over conventional soap thickened greases in high temperature, sealed-for-life applications. It is also recommended for automotive and industrial applications where a shear stable, water resistant, non-EP grease is required.

Applications

- Electric motor bearings
- Sealed-for-life bearings
- High speed antifriction bearings
- Automotive and industrial applications where a long life, high temperature, non-EP grease is required

Features/Benefits

- Excellent high temperature performance
- Outstanding shear stability
- Good wear protection
- Good resistance to water washout
- Excellent rust and corrosion protection
- Excellent low temperature pumpability

Electric Motor Bearings
Non-EP
Polyurea Grease





Polytac®

Typical Properties		
NLGI Grade		2
Thickener Type		Polyurea
Color		Blue
Texture		Smooth
Density, lbs/gal		7.41
Dropping Point, °C (°F)	ASTM D2265	260 (500)
Viscosity, Kinematic	ASTM D445	
Viscosity @ 40°C, cSt		106
Viscosity @ 100°C, cSt		12.2
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	0.4
Timken OK Load, lbs	ASTM D2509	45
Corrosion Prevention	ASTM D1743	Pass
Copper Corrosion	ASTM D4048	1a

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>.