



Polytac®

Phillips 66® Polytac is a high-quality, multipurpose, non-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 also is 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
- High shear stability
- Good wear protection
- Outstanding resistance to water washout
- Excellent rust and corrosion protection
- Excellent low-temperature pumpability

Non-EP Polyurea Grease for Electric Motor Bearings

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WORLD
RUNNING
SMOOTHLY. 



Polytac®

Typical Properties	
NLGI Grade	2
Thickener	Polyurea
Color	Red
Dropping Point, °C (°F)	260 (500)
Density, lbs/gal	7.40
Penetration, Worked (60 strokes), ASTM D217	265-295
Texture	Smooth
Oxidation Stability, ASTM D942, 100 hrs, Pressure Drop, psi (kPa)	5 (35)
Rust Prevention, ASTM D1743	Pass
Water Washout Resistance, ASTM D1264, Wt Loss @ 175°F, %	<2
Base Oil Properties	
Viscosity	
cSt @ 40°C	110
cSt @ 100°C	12.1
SUS @ 100°F	575
SUS @ 210°F	68
Viscosity Index	99
Usable Temperature Range	
°C	-34 to 163
°F	-30 to 325

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/EN/products/Pages/MSDS.aspx>.