



## Polytac®

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 paraffinic 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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## Polytac®

### Typical Properties

|   |            |
|---|------------|
| <b>NLGI Grade</b>   | <b>2</b>   |
| 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, Weight Loss @ 175°F, %      | <2         |
| <b>Base Oil Properties:</b>                                       |            |
| Viscosity,  |            |
| cSt @ 40°C  | 110        |
| cSt @ 100°C   | 12.1       |
| SUS @ 100°F   | 575        |
| SUS @ 210°F   | 68         |
| Viscosity Index   | 98         |
| <b>Usable Temperature Range,</b>                                  |            |
| °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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