

## Product Data Sheet

### **HIPRO PREMIUM EP LITHIUM COMPLEX GREASE NLGI-3**

Extreme Pressure High Temperature Automotive & Industrial Grease

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#### **PRODUCT DESCRIPTION**

**HIPRO Extreme Pressure Lithium Complex Grease** is high temperature lubricating greases formulated with lithium complex thickener and premium quality petroleum base oils. This special thickener provides excellent work-shear stability, resisting both softening and hardening of the grease during use. The lithium complex thickener further provides for a high dropping point, which resists melting and leakage from bearing operating at elevated temperatures. Long service life is an inherent feature of high lithium complex grease. In addition to their high temperature performance capabilities.

Offer goof resistance to washout by water, making them suitable for use in wet application. This grease is fortified with rust and corrosion inhibitors for optimum protection. Wear is reduced due to the presence of effective extreme pressure and anti-wear agents.

#### **APPLICATION**

Recommended industrial applications where a high temperature, extreme pressure, water resistance grease is required. Typical application includes bearing, couplings and gears in extended use and heavy duty service. The shear stability make them ideal for use in precision anti-friction bearings. May used with complete confidence at continuous operating temperature up to 190°C, with intermittent use up to 230°C.

In addition to industrial application, is ideally suited for wheel bearing usage in vehicles equipped with conventional brakes, as well as with disc brake, where the heat would cause conventional lithium grease to run out. This includes lubrication of cars, buses, vans, trucks, and farm equipment wheel bearings, even under heavy and shock loading. Ball joints, chassis and U-joint could also be well served by this grease.

Its truly multi-purpose lubricants which can replace other grease and therefore, reduces inventory and eliminate the chance of misapplication with the wrong grease.

#### **SPECIAL PROPERTIES**

- Outstanding high temperature wheel bearing performance.
- Provides against to heat generated by the heavy brake loads of vehicles pulling trailers.
- Excellent extreme pressure and anti-wear performance.
- Resists wheel bearing leakage at high temperatures.
- Minimum dropping point of 260°C.
- May be used continuously at temperature up to 190°C.
- Highly water resistant.

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**CAUTION:** Continuous contact with used oil has caused skin cancer in lab animals. Avoid prolonged skin contact. Avoid eye contact. Wash skin thoroughly with soap and water after handling. Flush eyes with water for 15 minutes in case of contact. If swallowed, do not induce vomiting. Contact a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**

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## TYPICAL SPECIFICATION

NLGI Grade		3
Colour	Visual	Blue Metallic
Penetration @ 25°C		
Worked	ASTM D217	246
Unworked	ASTM D217	242
Dropping Point, °C	ASTM D2265	287
Timken OK Loads, lbs (Min)	ASTM D2509	45
Oil Separation @ 100°C, wt%	JIS K 2220	0.751
Copper Strip Corrosion	ASTM D4048	1b
Wheel Bearing Leakage @ 20hrs, g	ASTM D4290	0.029
Water Washout %Loss @ 79°C	ASTM D1264	0.376
Oxidation Stability, Pressure Drop at 100hrs, Psi	ASTM D942	n/a

\* The above specifications are typical of current production, variation in these characteristics may occur, but will not affect the product performance.

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