



PRISTA® LITHIUM EP

GREASES

Description and Application

The multipurpose antifriction greases **Prista® Lithium EP** are manufactured by thickening an appropriate mineral base oil with a lithium 12-hydroxystearate soap and the addition of proper additives.

Prista® Lithium EP greases are intended to lubricate and seal plain and rolling bearings, hinge joints and other mechanisms operated under high pressures, shock loads and vibrations. They are recommended for universal lubrication of industrial machines and equipment operated under heavy loads and adverse environment including long-term shock loads, high speeds, high humidity and very wide temperature range. The greases are used for the lubrication of plain brass and babbitt radial bearings in rolling mills, screws and nuts of rollers, scissors, presses and the cutting lines of steel rolling machines and other metalworking applications. They are also suitable for the big roller bearings in mine, construction and marine machines and equipment operated under adverse conditions.

The operating temperature range of **Prista® Lithium EP** greases is from -30°C to +120°C.

Benefits

- very good adhesion properties
- improved EP properties
- high roll stability and retain their consistency in heavy duty operations
- not corrosive to non-ferrous metals and steel
- water washout resistance
- adequate protection against rust formation

Specifications

| NLGI | 1 | 2 | 3 |
|------------|--------------------|---|---|
| ISO 6743/9 | ISO-L-XCCHB 1(2,3) | | |
| DIN 51502 | KP 1(2,3) K-30 | | |
| BDS | 16507- 86 | | |

Typical Characteristics

| Parameter | Test Method | Typical Value | | |
|---|-------------|---------------|--------|--------|
| | | NLGI 1 | NLGI 2 | NLGI 3 |
| Oil type | | mineral | | |
| Thickener | | lithium soap | | |
| Color | Visual | yellow-brown | | |
| Kinematic Viscosity of base oil at 40°C, mm ² /s | EN ISO 3104 | 100 | | |
| Cone Penetration, worked at 25°C, 0.1 mm | ISO 2137 | 320 | 280 | 240 |
| Dropping Point, °C | ISO 2176 | 180 | 190 | 200 |
| Oil Separation - separated oil at 40°C, 42h, % | IP 121 | < 3 | | |
| Dynamic Rust Test (EMCOR) in distilled water | ISO 11007 | 0/0 | | |
| Four Ball EP Wear Test - Weld Point, N | ASTM D 2596 | 2500 | | |

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit: www.prista-oil.com

Prista Oil Holding EAD
www.prista-oil.com



Packages

0.4 kg, 0.8 kg, 4 kg, 15 kg, 180 kg