



UNIREX™ EP 2

Mobil Grease , Belgium

Grease

Product Description

Unirex™ EP 2 is a premium quality grease that combines advanced lithium complex soap technology and leading edge polymer enrichment technology to provide excellent adhesion, water wash-out resistance, mechanical stability and high temperature performance. Even after prolonged churning with water, Unirex EP 2 retains consistency, adhesive and rust inhibiting properties. Unirex EP 2 provides good protection against corrosion and provides excellent extreme pressure protection against wear, even under severe shock loading conditions.

Unirex EP 2 is particularly useful in applications with severe water contamination. Unirex EP 2 is recommended for use in hand packed or grease gun application in non-critical centralized systems, as well as grid-type flexible couplings, and is particularly suitable for use in vehicle wheel bearings.

Features and Benefits

| Features | Advantages and Potential Benefits |
|---|---|
| Formulated using an advanced lithium complex soap thickener | Enables longer grease life at higher temperatures than possible with greases made with most other soap types. |
| Excellent EP and anti-wear properties | Equipment protection and potential equipment life extension even in severe operating conditions. |
| Potent corrosion protection | Guarding equipment against rust and corrosion in heavy duty and automotive applications. |
| Excellent resistance to water washout and spray-off | Uses new polymer technology. This enhances the product's already excellent adhesion tendency and water wash resistance. Ensures proper lubrication and protection even in hostile wet environments. |

Applications

Unirex EP 2 is an excellent multipurpose grease for heavy-duty service in both Automotive and Industrial applications. Its excellent water resistance and extreme pressure protection exceed the performance levels of conventional multi-purpose light-to-medium-duty greases.

Unirex EP 2 is particularly well-suited for general purpose anti-friction bearings operating at high temperatures. In addition, its low oil-bleed properties offer a clear advantage where minimal leakage is critical.

Properties and Specifications

| Property | |
|---|-----------------|
| Grade | NLGI 2 |
| Thickener Type | Lithium Complex |
| Base Oil Viscosity of Greases @ 40 C, mm2/s, AMS 1697 | 220 |
| Color, Visual | Green |
| Corrosion Prevention, Rating, ASTM D1743 | PASS |
| Dropping Point, °C, ASTM D2265 | 260 (min) |
| Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2596 | 315 |

| Property | |
|---|----------------------|
| Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266 | 0.47 |
| High-Temperature Wheel Bearing Test, Leakage, g, ASTM D4290 | 1.3 |
| Oxidation Stability, Pressure Drop, 100 h, kPa, ASTM D942 | 1 |
| Penetration, 60X, 0.1 mm, ASTM D217 | 280 |
| Penetration, Change from 60X to 100,000X, 0.1 mm, ASTM D217 | 30 |
| Thickener, wt%, AMS 1699 | Li-Complex + Polymer |
| Timken OK Load, kg, ASTM D2509 | 60 |
| Water Sprayoff, 38 C, %, ASTM D4049 | 30 |
| Water Washout Loss, wt %, ASTM D1264 | 2.1 |

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.as>
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