



UNIREX™ EP 2

Mobil Grease , Luxembourg

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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POLDERDIJKWEG  
B-2030 Antwerpen  
Belgium

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