Mobil

UNIREX™ EP 2

Mobil Grease , Germany

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 its 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 applications, or 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 washout 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 distinct 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

Property	
Dropping Point, °C, ASTM D2265	260 (min)
Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2596	315
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.aspx

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EXXONMOBIL LUBRICANTS & SPECIALTIES EUROPE, A DIVISION OF EXXONMOBIL PETROLEUM & CHEMICAL, BVBA (EMPC)
POLDERDIJKWEG
B-2030 Antwerpen
Belgium

You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: https://www.mobil.com.de/de-de/kontakt

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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