



UNIREX™ EP Series

Mobil Grease, Canada

Premium Quality Heavy Duty Greases

Product Description

The UNIREX™ EP family of greases are high performance and extremely versatile long-life premium performance greases. Mobil Unirex grades have been formulated with high quality basestocks, proprietary high performance lithium complex thickener technology and an additive package designed to provide outstanding wear protection, excellent rust and corrosion protection and very good resistance to thermal, oxidative and structural degradation in high temperature applications. Unirex meets the challenges in demanding applications in many industries including transportation, manufacturing, construction, mining, logging, cement, marine and paper-making, where a grease must perform well in a multitude of different severe applications.

Features and Benefits

Features	Advantages and Potential Benefits
Outstanding adhesion and water resistance	Stays-in-place and resists wash-out in the presence of water, thereby extending lubrication intervals and helping equipment to last longer
Excellent protection against rust and corrosion	Keeps the lubricated surfaces protected, thereby reducing component wear and damage and helping to extend equipment life
Potent extreme pressure/wear protection	Designed to protect components under severe load and shock conditions, thereby reducing wear and increasing component life
Licensed against NLGI service classification GC/LB	Designed for wheel bearing and chassis lubrication
Excellent high temperature stability and service life	Designed to provide excellent service in severe high temperature applications, helps to extend lubricant and component life

Applications

- In applications where NLGI service classification GC/LB quality is required or preferred (EP 1 / EP 2)
- In chassis applications for on-road and off road equipment, where excellent adhesion and water resistance are required
- In a multitude of applications indoors and outdoors, in stationary and mobile equipment, in high and low temperature applications

- As a multi-purpose grease for use in a wide variety of applications, allowing for consolidation and simplification

Specifications and Approvals

Unirex meets or exceed the requirements of:	EP 1	EP 2
NLGI Service Classification GC/LB	x	x
ARVIN MERITOR AM 0665 Permalube U-Joint Grease		x

Typical Properties

	EP-2	EP-1	EP 0	LOTEMP EP	EP 1 Moly	EP 0 Moly	LOTEMP MOLY
NLGI Grade	2	1	0.5	1.5	1	0.5	1.5
Operating Temp. Range, °C (1)	-30 to 160	-30 to 160	-35 to 110	-55 to 110	-30 to 150	-35 to 110	-55 to 110
Min. Dispensing Temp, °C (2)	-15	-20	-25	-40	-15	-25	-40
Worked Penetration, @ 25°C, mm/10	280	325	350	300	320	350	300
Dropping Point, °C	300	280	190	260	280	190	260
Oil Viscosity cSt @ 40°C	220	220	68	10	220	68	10
Timken, OK Load, kg	27	27	27	27	27	27	27
4 Ball Wear, mm	0.5	0.5	0.5	0.5	0,5	0.5	0.5
4 Ball EP, kg, Weld	315	315	200	200	500	200	200
Corrosion Prevention Rating	Pass	Pass	Pass	Pass	Pass	Pass	Pass

The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.

- (1) For assistance in choosing the correct grade of Unirex, contact your sales or technical representative
- (2) Hand grease gun, under average conditions. Automatic systems may require higher temperatures

Precautions

The products described on this data sheet are manufactured from high quality petroleum base stocks, carefully

blended with selected soaps and additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to the Material Safety Data Sheet for further information.

Always protect greases from contamination by dust or water. High-pressure injection of any grease under the skin can cause serious delayed soft tissue damage and should be treated immediately by a physician. To avoid injection injuries, inspect greasing equipment regularly for worn hoses and fittings. Keep fingers away from the nozzle and ensure the nozzle is firmly in place before discharging the grease.

Note: The products described on this data sheet are NOT controlled under Canadian WHMIS legislation.

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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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