

# PETRONAS GREASE LiX MEP

## Premium Performance Extreme Pressure Lithium Complex Grease

PETRONAS Grease LiX MEP is a premium performance extreme pressure Lithium complex grease with solid additives specially developed for lubrication of heavy duty applications where good adhesive properties are required.

Formulated with selected mineral base oils enhanced with Lithium complex soap, advanced extreme pressure, anti-oxidant, anti-rust and corrosion inhibitor additives. PETRONAS Grease LiX MEP provides excellent high temperature performance, high load carrying capabilities and excellent adhesiveness qualities which makes it ideal for components where there is oscillating or rotating motion.

PETRONAS Grease LiX MEP meets or exceeds key industrial specifications.

### Applications

PETRONAS Grease LiX MEP is recommended for use in:

- mobile and off road equipment components, such as chassis, highly loaded kingpins, U-joints, bucket pins, fifth wheels and open gears
- heavy duty applications in mining, cement, power generation and steel plant applications where severe operating and climatic conditions are experienced

Note: PETRONAS Grease LiX MEP is recommended for operating temperature range of -20°C to +160°C.

### Features and Benefits

Features	Benefits
Very good pumpability	Very good performance where low temperature performance is required
Excellent adhesive and cohesive properties	Excellent grease tenacity, helps reduce leakage and extend re-lubrication intervals, reducing maintenance costs
Excellent load carrying capacity	Contains special EP additives which enables the grease to withstand heavy loads without losing the lubricant film
High rust & corrosion protection	Protect bearing surfaces against corrosion, even when the grease is contaminated with water
High resistance to water wash-out	Equipment protection and good lubrication even in presence of water
High thermal and oxidation stability	Has good oxidation resistance and can withstand high operating temperatures without hardening or forming bearing deposits

# PETRONAS GREASE LiX MEP

## Premium Performance Extreme Pressure Lithium Complex Grease

### Typical Properties

Characteristic	Method	Specification	2
Thickener Type	-	Lithium Complex	Lithium Complex
NLGI	ASTM D217	2	2
Color	Visual	Grey	Grey
Worked Penetration, mm/10	ASTM D217	265 – 295	282
Worked Penetration 100.000x, mm/10, Max.	ASTM D217	+20	+15
Oil Separation, Mass %, Max.	ASTM D1742	5	3
Dropping Point, °C, Min.	ASTM D2265	250	265
Four Ball Wear, mm, Max.	ASTM D2266	0.50	0.40
Four Ball EP Weld Point, Min.	ASTM D2266	315	315
Roll Stability, mm/10, % Change	ASTM D1831	10	8
Wheel Bearing Leakage, grams, Max.	ASTM D4290	8	3
Water Washout, %, Max.	ASTM D1264	8	5
Rust Protection, rating, Max.	ASTM D1743	Pass	Pass
Base Oil Viscosity @40°C, cSt	ASTM D445	365 - 395	380
Molybdenum Disulfide, Mass %	-	3	3

All technical data is provided for reference only / SS is available upon request including quality control limits

### Performance Levels

- DIN 51502 KP2N-20
- ISO 12924 XBDIB2

# PETRONAS GREASE LiX MEP

## Premium Performance Extreme Pressure Lithium Complex Grease

### Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

### Important Note

The word PETRONAS, the PETRONAS logo and such other related trademarks and/or marks used herein are trademarks or registered trademarks of PETRONAS Lubricants International Sdn. Bhd. ("PLISB"), or its subsidiaries or related Holding Corporation under license unless indicated otherwise. The PLI Documents and the information contained herein is believed to be accurate as of the date of printing. PLISB makes no express or implied representation or warranties as to its accuracy or completeness or information in or any transaction performed. The PLI Documents information provided is based on standard tests under laboratory conditions and is given only as a guide. Users are advised to ensure that they refer to the latest version of these PLI Documents. It is the responsibility of the users to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations imposed by the respective local authorities.

Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either PLISB or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortious action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representative in the event you require any further information.