

PETRONAS GREASE Li EP SERIES

Premium Performance Extreme Pressure Lithium Grease

PETRONAS Grease Li EP Series are premium performance extreme pressure Lithium grease specially developed for lubrication of both plain and anti-friction bearings even where severe or shock loads are experienced.

Formulated with selected mineral base oils enhanced with Lithium 12-hydroxystearate soap, advanced extreme pressure, anti-oxidant, anti-rust and corrosion inhibitors. PETRONAS Grease Li EP provide high load carrying capabilities, low temperature dispensing and resistance to water wash-out.

Applications

PETRONAS Grease Li EP Series are recommended for use in:

- lubrication of both plain and anti-friction bearings even where severe or shock loads are experienced
- pins and bushes, geared couplings at normal speeds
- vibrating shafts and sliding mechanisms under normal operating conditions

Note: PETRONAS Grease Li EP Series are recommended for operating temperature range of -30°C to +130°C.

Features and Benefits

Features	Benefits
Very good pumpability	Very good performance where low temperature performance is required
High load carrying capacity	Contain special EP additives which enable the grease to withstand heavy shock 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
Mechanical stability	Has very good mechanical stability

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Typical Properties

Characteristic	Method	Specification	2	3
Thickener Type	-	Lithium	Lithium	Lithium
NLGI	ASTM D217	2 and 3	2	3
Color	Visual	Brown	Brown	Brown
Worked Penetration, mm/10	ASTM D217	265 – 295 (2) 310 – 340 (3)	280	320
Worked Penetration 100.000x, mm/10, Max.	ASTM D217	+25	+15	+10
Oil Separation, Mass %, Max.	ASTM D1742	5	3	2
Dropping Point, °C, Min.	ASTM D2265	180	190	190
Four Ball Wear, mm, Max.	ASTM D2266	0.50	0.50	0.50
Four Ball EP Weld Point, Min.	ASTM D2266	250	250	250
Roll Stability, mm/10, % Change	ASTM D1831	15	10	8
Wheel Bearing Leakage, grams, Max.	ASTM D4290	8	6	5
Water Washout, %, Max.	ASTM D1264	12	7	5
Rust Protection, rating, Max.	ASTM D1743	Pass	Pass	Pass
Base Oil Viscosity @40°C, cSt	ASTM D445	200 - 220	220	220

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

Performance Levels

- DIN 51502 KP2K-30
- ISO 12924 XCCHB2

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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

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