

PETRONAS GREASE LiX EP 2/170

Extreme Pressure Lithium Complex Grease

PETRONAS Grease LiX EP 2/170 is an extreme pressure Lithium complex grease specifically developed for commercial vehicle applications and a wide variety of industry applications. Formulated with selected mineral base oil enhanced with Lithium Complex soap, advanced extreme pressure, anti-oxidant, anti-rust and corrosion inhibitor additives, PETRONAS Grease LiX EP 2/170 provides excellent load carrying capabilities and wear protection, high resistance to water wash-out and rust inhibition, even at elevated temperatures.

PETRONAS Grease LiX EP 2/170 meet or exceeds key industrial specifications.

Applications

PETRONAS Grease LiX EP 2/170 is recommended for use in:

- general purpose applications for automotive commercial transport vehicles and chassis lubrication. It is particularly suitable for lubricating of roller and friction bearings under extreme pressure load at high temperature
- wheel bearing and prop shaft lubrication of commercial / utility vehicles and passenger motor cars
- industrial and farm equipment components

Note: PETRONAS Grease LiX EP 2/170 is recommended for operating temperature range of -20°C to +140°C (Max. +180°C).

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Features and Benefits

Features	Benefits
High pumpability	High performance where low temperature performance is required
Excellent adhesive and cohesive properties	Excellent grease tenacity which helps reduce leakage and extend re-lubrication intervals, reducing maintenance costs
Excellent load carrying capacity	Contains special additives which enables the grease to withstand heavy loads without loss of the lubricant film
High rust & corrosion protection	Protects bearing surfaces against rust and 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
Mechanical stability	A highly stable grease with little or no change to consistency when worked in the lubrication of bearings

Technical Data Sheet

Revision Date: 27.03.2020 Rev. 04



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Typical Properties

Characteristic	Method	Specification	LiX EP 2/170
Thickener Type	-	Lithium Complex	Lithium Complex
NLGI	ASTM D217	2	2
Color	Visual	Green	Green
Worked Penetration, mm/10	ASTM D217	265 - 295	280
Worked Penetration 100.000x, Penetration Change, mm/10, Max.	ASTM D217	+20	+15
Oil Separation, Mass %, Max.	ASTM D1742	5	3
Dropping Point, °C, Min.	ASTM D2265	260	290
Four Ball Wear, mm, Max.	ASTM D2266	0,50	0,40
Four Ball EP Weld Point, Min.	ASTM D2596	250	250
SKF R2F B at 140°C	SKF	Pass	Pass
Flow Pressure at -20°C, mbar, Max.	DIN 51805 mod	1400	<1400
Roll Stability, % of Penetration Change, Max.	ASTM D1831	15	10
Wheel Bearing Leakage, grams, Max.	ASTM D4290	10	5
Water Washout at 38°C, %, Max.	ASTM D1264	8	6
Rust Protection, rating	ASTM D1743	Pass	Pass
Water resistance at 90°C, Max.	DIN 51807:1	1	0
Copper Corrosion, Max.	ASTM D4048	1	1a
Emcor Test (Salt Water), rating, Max.	ASTM D6138	2-2	0-0
Base Oil Viscosity @40°C, cSt	ASTM D445	180 - 230	183

All technical data are provided for reference only and all specification based on ASTM D4950 / SS is available upon request including quality control limits

Performance Levels

- DIN 51502 KP2N-20
- GC-LB
- ISO 12924 L-XB(F)DIB2

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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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