

PETRONAS GREASE LiX EP 2/380

Extreme Pressure Lithium Complex Grease

PETRONAS Grease LiX EP 2/380 is an extreme pressure Lithium complex grease specifically developed for high temperature general purpose industrial applications.

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 EP 2/380 provides excellent load carrying capabilities, high resistance to water wash-out, even at elevated temperatures.

PETRONAS Grease LiX EP 2/380 meets or exceeds key industrial specifications.

Applications

PETRONAS Grease LiX EP 2/380 is recommended for use in:

- large plain and anti-friction bearings and applications requiring a high temperature lithium complex grease such as slides, cams and bearings in wet environments
- centralized lubrication systems of industrial applications

Note: PETRONAS Grease LiX EP 2/380 is recommended for operating temperature range of -30°C to +140°C (Max. +180°C).

Features and Benefits

Features	Benefits
Very good pumpability	Very good performance where bearings are lubricated through metering blocks and automatic systems
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 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

Technical Data Sheet

Revision Date: 28.08.2019 Rev. 02



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Typical Properties

Characteristic	Method	Specification	LiX EP 2/380
Thickener Type	-	Lithium Complex	Lithium Complex
NLGI	ASTM D217	2	2
Color	Visual	Brown	Brown
Worked Penetration, mm/10	ASTM D217	265 - 295	282
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	250	265
Four Ball Wear, mm, Max.	ASTM D2266	0,50	0,40
Four Ball EP Weld Point, Min.	ASTM D2596	315	315
SKF R2F B at 140°C	SKF	Pass	Pass
Flow Pressure at -30°C, mbar, Max.	DIN 51805 mod	1400	<1400
Roll Stability, % of Penetration Change, Max.	ASTM D1831	10	8
Wheel Bearing Leakage, grams, Max.	ASTM D4290	8	3
Water Washout at 38°C, %, Max.	ASTM D1264	10	5
Water resistance at 90°C, Max.	DIN 51807:1	3	1
Rust Protection, rating	ASTM D1743	Pass	Pass
Emcor Test (Dist. Water), rating, Max.	ASTM D6138	0-0	0-0
Base Oil Viscosity @40°C, cSt	ASTM D445	390 - 410	400

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-30
- GC-LB
- ISO 12924 L-XC(F)DHB2

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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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