

PETRONAS GREASE Li PT

Lithium Grease

PETRONAS Grease Li PT is a Lithium grease specially developed as a post tensioning grease within the construction industry. It features controlled oil bleed to prevent oil separation on the tendon manufacture.

Formulated with selected mineral base oil enhanced with advanced Lithium 12-hydroxystearate soap, anti-oxidant, anti-rust and corrosion inhibitors additives. PETRONAS Grease Li PT provides a high resistance to oxidation, corrosion protection and salt water resistance.

It prevents corrosion of un-bonded post-tensioning strand in the presence of moisture and air in voids along the cable sheaths.

PETRONAS Grease Li PT meets or exceeds key industrial specifications.

Applications

PETRONAS Grease Li PT is recommended for use in:

- as a post tensioning grease within the construction industry

Note: PETRONAS Grease Li EP 2 is recommended for operating temperature range of -40°C to +120°C (Max. +130°C).

Features and Benefits

Features	Benefits
High rust & corrosion protection	High protection against corrosion, even when the grease is contaminated with water, especially sea water
High resistance to water wash-out	Has a high resistance to water wash-out
High oxidation stability	High resistance to oxidation. The consistency will not alter in storage
High controlled oil bleed	Has a high controlled oil bleed and does not separate under storage

www.pli-petronas.com

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Typical Properties

Characteristic	Method	Specification	Li PT
Thickener Type	-	Lithium	Lithium
NLGI	ASTM D217	1.5	1.5
Color	Visual	Brown	Brown
Worked Penetration, mm/10	ASTM D217	290 - 320	300
Worked Penetration 100.000x, Penetration Change, mm/10, Max.	ASTM D217	+20	+13
Oil Separation, Mass %, Max.	ASTM D1742	6	4
Dropping Point, °C, Min.	ASTM D2265	180	190
Oxidation Stability, kPa, Max.	ASTM D942		
100 hours		50	30
400 hours		130	110
1000 hours		220	200
Emcor Test (Distilled Water), rating	ASTM D6138	0-0	0-0
Rust Protection, rating, Max.	ASTM D1743	Pass	Pass
Flow Pressure at -40°C, mbar, Max.	DIN 51805 mod	1400	<1400
SKF R2F B at 120°C	SKF	Pass	Pass
Base Oil Viscosity @40°C, cSt	ASTM D445	130 - 150	140

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

Performance Levels

- DIN 51502 K1.5K-40
- ISO 12924 L-XD(F)CHA1.5

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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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