

PETRONAS GREASE Li PT

High Performance Lithium Grease

PETRONAS Grease Li PT are high performance 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.

Applications

PETRONAS Grease Li PT is recommended for use in:

- as a post tensioning grease within the construction industry

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	Has a high resistance to oxidation. The consistency will not alter in storage and they withstand high operating temperatures without hardening or forming bearing deposits
High controlled oil bleed	Has a high controlled oil bleed and does not separate under storage

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Typical Properties

Characteristic	Method	Specification	1.5
Thickener Type	-	Lithium	Lithium
NLGI	ASTM D217	1.5	1.5
Color	Visual	Brown	Brown
Worked Penetration, mm/10	ASTM D217	295 - 310	282
Worked Penetration 100.000x, mm/10, Max.	ASTM D217	+30	+25
Oil Separation, Mass %, Max.	ASTM D1742	6	4
Dropping Point, °C, Min.	ASTM D2265	180	190
Four Ball Wear, mm, Max.	ASTM D2266	0.80	0.79
Four Ball EP Weld Point, Min.	ASTM D2266	160	160
Roll Stability, mm/10, % Change	ASTM D1831	20	18
Water Washout, %, Max.	ASTM D1264	15	10
Rust Protection, rating, Max.	ASTM D1743	Pass	Pass
Base Oil Viscosity @40°C, cSt	ASTM D445	200 - 220	210

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

Performance Levels

- DIN 51502 K2K-30
- ISO 12924 XCCHA2

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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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