

PETRONAS GREASE Li AS

Extreme Pressure Lithium Grease with Anti-Seize Compound

PETRONAS Grease Li AS is an extreme pressure Lithium grease with anti-seize compound specially developed for general maintenance and installation procedures used in industrial, mining and marine applications.

Formulated with selected mineral base oils enhanced with Lithium 12-hydroxystearate soap, advanced extreme pressure, anti-oxidant, anti-rust, solid lubricants and corrosion inhibitors. PETRONAS Grease Li AS provides excellent protection under all types of corrosive conditions and which, even after years, enables the user to loosen threaded connections of all types of equipment with a minimum of effort.

PETRONAS Grease Li AS meets or exceed key industrial specifications.

Applications

PETRONAS Grease Li AS is recommended for use in:

- assembling of intake and exhaust manifold studs, cylinder head studs, boiler and cylinder head gaskets, face plate studs, gas burner connections, steam pipe threads as well bolts and nuts used on flange connections
- sealing all types of high pressure joints whether under hot or cold conditions and does not harden. It can be used for press fits and helps prevents fretting corrosion on shafts and housings when assembling ball and roller bearings.
- all automotive passenger and truck wheel studs and nuts.

Due to the unique solid lubricants configuration application materials include the following metals: Mild Steel, Stainless steel, Bronze, Copper, Galvanized and many more.

For even better results and longer life apply the thread grease and place in position. Apply solvent resistant silicone sealer around the contact points between the bolt and body/nut.

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Features and Benefits

Features	Benefits
Prevents seizure	The combination of several lubricating quality solid lubricants ensures an outstanding anti-seize performance.
High rust & corrosion protection	Protects contact surfaces against rust and corrosion, even in the presence of water.
High thermal and oxidation stability	Has a very good resistance to oxidation and will not harden or form carbon deposits.
Good sealing performance	Ensures sealing in general maintenance and installation procedures used in industrial, mining and marine applications

Typical Properties

Characteristic	Method	Specification	Li AS
Thickener Type	-	Lithium	Lithium
NLGI	ASTM D217	1.5	1.5
Color	Visual	Brown	Brown
Worked Penetration, mm/10	ASTM D217	300 – 330	320
Worked Penetration 100.000x, Penetration Change, mm/10, Max.	ASTM D217	+20	+10
Oil Separation, Mass %, Max.	ASTM D1742	5	3
Dropping Point, °C, Min.	ASTM D2265	180	190
Four Ball Wear, mm, Max.	ASTM D2266	0.50	0.30
Four Ball EP Weld Point, Min.	ASTM D2596	200	200
Roll Stability, % of Penetration Change, Max.	ASTM D1831	10	8
Rust Protection, rating	ASTM D1743	Pass	Pass
Total Solid Content, %	Calculated	-	33
Base Oil Viscosity @40°C, cSt	ASTM D445	90 - 110	100

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

Performance Levels

- DIN 51502 K1.5G-30
- ISO 12924 XCBA1.5

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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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