

PETRONAS GREASE LiCa GEP 0

Extreme Pressure Lithium Calcium Grease

PETRONAS Grease LiCa GEP 0 is an extreme pressure Lithium Calcium grease with solid additives specially developed for lubrication of open gears, racks, chains, wire ropes, support rollers, slides and sprockets.

Formulated with selected mineral base oils enhanced with functional polymer and thickened Lithium Calcium soap, advanced extreme pressure, anti-oxidant, Graphite, anti-rust and corrosion inhibitors additives. PETRONAS Grease LiCa GEP 0 provides excellent load carrying protection, water washout or spray off resistance in applications operating at elevated temperatures.

PETRONAS Grease LiCa GEP 0 meets or exceeds key industrial specifications.

Applications

PETRONAS Grease LiCa GEP 0 is recommended for use in:

- open gears, racks, chains, wire ropes, support rollers, tracks, slides and sprockets
- steel, cement, paper, chemical, mining, and other industries requiring heavy duty lubrication under extreme mechanical and environmental conditions such as shock loads, vibration
- applications involving oscillating or little relative movement, where fretting corrosion may be prevalent

Note: PETRONAS Grease LiCa GEP 0 is recommended for operating temperature range of -20°C to +120°C.

Features and Benefits

Features	Benefits
Excellent pumpability	Excellent performance where low temperature performance is required
Excellent load carrying capacity	Contains special additives which enable the grease to withstand heavy shock loads without losing the lubricant film
High rust & corrosion protection	Protects metal 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

PETRONAS GREASE LiCa GEP 0

Extreme Pressure Lithium Calcium Grease

Typical Properties

Characteristic	Method	Specification	GEP 0
Thickener Type	-	Lithium Calcium	Lithium Calcium
NLGI	ASTM D217	0	0
Color	Visual	Dark Grey	Dark Grey
Worked Penetration, mm/10	ASTM D217	355 – 385	370
Worked Penetration 100.000x, Penetration Change, mm/10, Max.	ASTM D217	+20	+20
Dropping Point, °C, Min.	ASTM D2265	180	190
Four Ball Wear, mm, Max.	ASTM D2266	0.60	0.60
Four Ball EP Weld Point, Min.	ASTM D2596	315	315
Roll Stability, % of Penetration Change, Max.	ASTM D1831	10	9
Water Washout, %, Max.	ASTM D1264	10	8
Rust Protection, rating	ASTM D1743	Pass	Pass
Base Oil Viscosity @40°C, cSt	ASTM D445	510 - 530	520
Graphite, Mass %	-	10	10

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

Performance Levels

- DIN 51502 GPF0K-20
- ISO 12924 XBCHB0

PETRONAS GREASE LiCa GEP 0

Extreme Pressure Lithium Calcium Grease

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

Important Note

The word PETRONAS, the PETRONAS logo and such other related trademarks and/or marks used herein are trademarks or registered trademarks of PETRONAS Lubricants International Sdn. Bhd. ("PLISB"), or its subsidiaries or related Holding Corporation under license unless indicated otherwise. The PLI Documents and the information contained herein is believed to be accurate as of the date of printing. PLISB makes no express or implied representation or warranties as to its accuracy or completeness or information in or any transaction performed. The PLI Documents information provided is based on standard tests under laboratory conditions and is given only as a guide. Users are advised to ensure that they refer to the latest version of these PLI Documents. It is the responsibility of the users to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations imposed by the respective local authorities.

Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either PLISB or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortious action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representative in the event you require any further information.