

Petronas Grease LiCa GEP 2.5

Extreme Pressure Industrial grease fortified with friction reduction additives



Heavy Loads



Water Resistant



Corrosion Protection

Description

Petronas Grease LiCa GEP 2.5 grease is a smooth-texture functional polymer based, dual thickened lithium-calcium greases which combine the performance advantages of both lithium and calcium greases. This extreme heavy duty (EP) greases is fortified with solid friction reduction additives.

The grease resists water washing and spray off through the unique polymer based mixed soap thickener, making it ideal for outdoor applications as well as for indoor uses subjected to water splash and water washing with brine, mild acids and alkalis.

Whilst providing exceptional wear protection, excellent water washout and spray off resistance, along with rust inhibition, it can be dispensed at low temperatures and provides long life in applications operating at elevated temperatures.

Petronas Grease LiCa GEP 2.5 is adhesive to metal surfaces and resist run-off and drip due to gravity or by centrifugal force. Additional ecological acceptable EP, Anti-wear, oxidation and corrosion additives ensures further equipment protection under a wide variety of applications.

Applications

Petronas Grease LiCa GEP 2.5 is recommended for the lubrication of open gears, racks, chains, wire ropes, rollers, tracks, slides, sprockets, etc. in the steel, cement, paper, chemical, mining, quarry and other industries requiring heavy duty lubrication under extreme mechanical and environmental conditions such as shock loads, vibration and contamination by dirt and water. The grease is also suitable for applications involving oscillating or little relative movement, where fretting corrosion may be prevalent - i.e. on construction equipment and turntables.

Petronas Grease LiCa GEP 2.5 is intended primarily for 5th wheel lubrication. It is also recommended for rough plain bearings, slides and other parts, e.g. oven conveyor chains, gears and bearings of boiler soot-blowers, axle lubrication of trolleys operating in high temperature kilns and on the skates of pantographs of electrical locomotives, rail and flange and trolley buses. It can also be used as an anti-seize compound for nuts, bolts and gaskets.

Operating temperature grades are: - 20°C to +120°C.

Petronas Grease LiCa GEP 2.5 is easily applied by brush, paddle, grease gun or grease pump.

Features & Benefits

- Reduced equipment wear
- Excellent load carrying and anti-wear properties.
- High film strength with benefit of polymer technology
- Extreme resistance to water washing, rust and corrosion
- Exhibits low oil bleed
- Easy application and wide application temperature -20 to 130°C
- Ecological acceptable additives
- Friction reducing solid lubricants for extra protection on sliding surfaces

Typical Properties

	Test Method	Unit	Petronas Grease LiCa GEP 2.5
DIN Classification	DIN 51502		OGPF2.5K-20
ISO Classification	ISO 12924		L-XB(F)CIB2.5
NLGI Grade	ASTM D217		2.5
Thickener Type			Lithium Calcium
Colour	Visual		Dark Grey
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	255
Dropping Point	IP 396	°C	190
Base Oil Type			Mineral
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	500
4-Ball Weld Load	DIN 51350:4	N	4000
20,000 Strokes Worked Penetration	ASTM D217	% Change	10
Graphite Content	Calculated	%	10
Density	IP PM-CS/03	g/ml	0.98

Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment. Due to continual product research and development, the information contained herein is subject to change without notification.