

# Petronas Grease LiX Syn 1/1500

## Synthetic Lithium Complex Grease

**Corrosion  
Protection****Extreme  
Pressure****Heavy  
Loads****High  
Temperatures**

### Description

**Petronas Grease LiX Syn 1/1500** is a lithium complex thickened lubricating grease based on high viscous synthetic oil and polymers. The grease contains antioxidants, corrosion inhibitors and EP/AW additives based on bismuth technology. The thickener, together with the very high viscosity synthetic base oil blend, makes the product suitable for heavily loaded bearings in low speed applications, at elevated temperatures, in wet and corrosive environments.

The complex soap structure gives the product a high degree of mechanical stability, which enhances the performance in vibrating housings and prolongs relubrication intervals. The specially developed bismuth additive package gives the grease a very high load carrying capacity, resistance to vibrations and shock loads and excellent wear protection.

### Applications

**Petronas Grease LiX Syn 1/1500** is a modern high performance synthetic product suitable for both industrial and automotive applications. The product's properties make it the primary choice for bearings operating at extremely low speeds, under heavy loads, and at high temperatures.

**Petronas Grease LiX Syn 1/1500** application temperature range is -30°C to 150°C (max 220°C).

### Features & Benefits

- Excellent at high and low temperatures
- Very good mechanical stability
- High load carrying capacity
- Very good corrosion protection
- Suitable for extreme low speeds

## Product Data Sheet

Effective Date 01.01.2015 Version 1.0

**PETRONAS**  
High Performance Grease



### Typical Properties

	Test Method	Unit	Petronas Grease LiX Syn 1/ 1500
DIN 51502			KPHC1N-30
ISO 12924			L-XD(F)DIB1
NLGI Grade	ASTM D217		1
Thickener Type			Lithium Complex
Colour	Visual		Beige
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	310 - 340
Dropping Point	IP 396	°C	>260°C
Base Oil Type			Synthetic Oil
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	1500
4-Ball Weld Load	DIN 51350:4	N	3600 N
4-Ball Wear Scar 40kg/1hr	DIN 51350:5	mm	0.7
20,000 Strokes Worked Penetration	ASTM D217	% Change	10
Shell Roll Stability – 24hrs	ASTM D1831	% Change	10
Density	IP PM-CS/03	g/ml	0,88

### 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.