

Petronas Grease LiX Syn 2/460

Synthetic Lithium Complex Grease



Synthetic



High Temperatures



Low Temperatures



Extreme Pressure

Description

Petronas Grease LiX Syn 2/460 is a lithium complex grease with synthetic baseoil. The grease contains antioxidants, corrosion inhibitors and EP/AW additives based on bismuth technology. The lithium complex soap, together with the synthetic base oil, makes the product suitable for heavily loaded bearings at elevated temperatures, in wet and corrosive environments.

The complex soap structure also gives the product a high degree of mechanical stability. This 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 2/460 is a modern high performance synthetic product suitable for both industrial and automotive applications. The product's all-round properties and wide temperature range make it the primary choice for various types of bearing applications including high and low temperature conditions. The product also offers potential for energy savings as it reduces operating temperatures in the load zone.

Petronas Grease LiX Syn 2/460 application temperature range is -40°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

Product Data Sheet

Effective Date 01.01.2015 Version 1.0

PETRONAS
High Performance Grease



Typical Properties

	Test Method	Unit	Petronas Grease LiX Syn 2/460
DIN 51502			KPHC2N-40
ISO 12924			L-XD(F)DIB2
NLGI Grade	ASTM D217		2
Thickener Type			Lithium Complex
Colour	Visual		Beige
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	265 - 295
Dropping Point	IP 396	°C	>260°C
Base Oil Type			Synthetic Oil
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	460
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.