

PETRONAS Grease Li 2 and Li 3

Premium Industrial Non-EP Lithium Greases



Water Resistant



Corrosion Protection

Description

Petronas Grease Li 2 and Li 3 are premium quality industrial greases of NLGI 2 and NLGI 3 consistencies respectively.

These high quality lithium based non extreme pressure greases are intended primarily for basic industrial multi-use applications.

They are formulated using medium viscosity mineral oil, Lithium 12 hydroxystearate soap and fortified with additives to enhance oxidation stability, prevent rust and reduce wear.

Petronas Grease Li 2 and Li 3 have high chemical stability, enhanced structural properties, and good resistance to water washing.

Applications

Petronas Grease Li 2 and Li 3 are recommended for anti-friction bearings including the rotating outer race and vertical shaft configurations, but can also be used in plain bearings up to 3600 r/min., machine tools and a variety of marine applications. Their low starting torque characteristics make them ideal greases for electric motor bearings.

The stiffer NLGI 3 grease is mainly recommended for applications where maximum protection against penetration of water or solid contaminants is required.

Petronas Grease Li 2 and Li 3 operating temperature range is from -30°C to +120°C Max +130°C.

Features & Benefits

- Reduced bearing leakage.
- Long service life.
- Multi-use convenience.
- Excellent oxidation resistance.
- Good anti-wear protection.
- Used by most equipment builders.
- Effective rust and corrosion protection.

Product Data Sheet

Effective Date 01.01.2015 Version 1.0

PETRONAS

High Performance Grease



Typical Properties

	Test Method	Unit	Grease Li 2	Grease Li 3
DIN Classification	DIN 51502		K2K-30	K3K-30
ISO Classification	ISO 12924		XC(F)CHA2	XC(F)CHA3
NLGI Grade	ASTM D217		2	3
Thickener Type			Lithium	Lithium
Colour	Visual		Brown	Brown
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	285	245
Dropping Point	IP 396	°C	194	194
Base Oil Type			Mineral Oil	Mineral Oil
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	120	120
4-Ball Weld Load	DIN 51350:4	N	2000	2000
4-Ball Wear Scar 40kg/1hr	DIN 51350:5	mm	0.5	0.5
20,000 Strokes Worked Penetration	ASTM D217	% Change	10	10
Shell Roll Stability – 24hrs	ASTM D1831	% Change	10	10
Density	IP PM-CS/03	g/ml	0.9	0.9

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.