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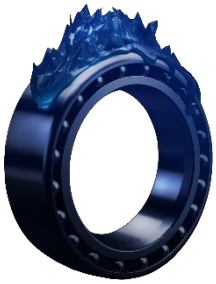
TECHNICAL PRODUCT SHEET

PREMUS™ LEP NLGI 2, 3



DESCRIPTION

PREMUS™ LEP is a range of smooth textured multipurpose greases based on lithium 12 hydroxy-stearate soap and high-quality mineral base oils. The extreme pressure additives ensure an efficient lubrication of mechanisms submitted to heavy / violent loads. PREMUS™ LEP greases are commonly used in most applications requiring a universal and versatile grease. They are mainly conceived for the lubrication of all types of bearings and they are the primary recommendation from all the equipment manufacturers (OEMs).

APPLICATIONS

PREMUS™ LEP greases are suitable for most industrial and vehicle applications, where lithium extreme pressure greases are recommended for heavily loaded bearings and chassis. Applications include electric motors and generators, pumps, conveyors, grease lubricated gears and couplings, compressors, machine tools, plain and antifriction bearings in steel and paper mills, cement industries, railroad and marine equipment etc. PREMUS™ LEP 1 is mainly recommended for centralized lubricating systems.

SPECIFICATIONS

NLGI 2	DIN51825 KP2K-25	ISO 6743/9 L-X-CCHB2
NLGI 3	DIN51825 KP3K-25	ISO 6743/9 L-X-CCHB3

PROPERTIES

PREMUS™ LEP offers exceptional resistance to violent shocks and heavy loads, ensuring reliable performance under severe operating conditions. It maintains excellent pumping ability even at low temperatures, providing smooth application in cold environments. The formulation delivers efficient protection against rust and corrosion, while its outstanding oxidation resistance guarantees long-term stability and durability.

BENEFITS

PREMUS ™ LEP demonstrates improved shear stability and excellent resistance to churning during start-up, ensuring consistent performance under demanding conditions. Its versatility makes it suitable for a wide range of applications, while extended relubrication intervals contribute to reduced maintenance and enhanced operational efficiency.

LPC S.A. 124 Megaridos Ave., Aspropyrgos
19300, Greece (+30) 210 80 93 900

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PHYSICAL-CHEMICAL CHARACTERISTICS

PREMUS™ LEP	METHOD		
NLGI Grade		**2**	**3**
Color/Appearance	Visual	Brown	Brown
Texture	Visual	Smooth	Smooth
Thickener type		Lithium soap	Lithium soap
Base Oil		Blend of mineral oils	Blend of mineral oils
Base oil viscosity @40°C, mm^2/s	ASTM D445	200	200
Dropping point, °C	ASTM D2265	207	207
Worked penetration, 10^{-1}mm @25 °C - 60 strokes - 100,000 strokes	ASTM D 217	265-295 +10%	220-250 +12%
EP properties weld point, kgf	ASTM D 2596	250	250
Wear preventive characteristics - Scar diameter, mm	ASTM D 2266	0.45	0.5
Oxidation stability test, psi drop/100hrs	ASTM D 942	2.5	2.5
Water washout @ 79 °C, wt. %	ASTM D 1264	5	3.2
Antirust properties	ASTM D 1743	Pass	pass
Copper strip corrosion	ASTM D 4048	1b	1b
Operating temperatures, °C		-25/+120	-25/+120

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.

HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).

USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

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