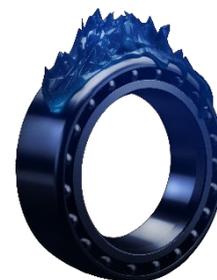


TECHNICAL PRODUCT SHEET

PREMUS™ LI NLGI 2, 3



DESCRIPTION

PREMUS™ LI is a range of smooth textured, premium quality, short-to-medium fiber greases based on lithium 12 hydroxy-stearate soap and high-quality base oils. They are enhanced with a comprehensive and carefully balanced package of additives to provide outstanding lubrication service in widely varying industrial and automotive uses. They are mainly formulated for the lubrication of all types of bearings as they are the primary recommendation of all equipment manufacturers (OEMs).

APPLICATIONS

PREMUS™ LI greases are suitable for plain and antifriction bearings in steel mills, pumps, generators, machine tools, compressors, electric motors, as well as in grease lubricated gears and couplings. They are also used in railroad, marine and vehicle applications. PREMUS™ LI 3 exhibits very good resistance to churning on start-up to prevent lubrication starvation and inadequate lubrication.

SPECIFICATIONS

NLGI 2	DIN51825 K2K-25	ISO 6743/9 L-X-CCHA2
NLGI 3	DIN51825 K3K-25	ISO 6743/9 L-X-CCHA3

PROPERTIES

PREMUS™ LI offers excellent pumpability and superior water resistance, ensuring reliable performance in demanding environments. Its advanced anti-corrosion properties effectively protect metal surfaces from rust, while outstanding mechanical stability guarantees durability even under intense vibration.

BENEFITS

PREMUS™ LI delivers exceptional thermal stability and excellent anti-wear properties, ensuring reliable protection under extreme conditions. Its formulation supports a long service life, reducing maintenance needs and enhancing equipment performance.



TECHNICAL PRODUCT SHEET

PHYSICAL-CHEMICAL CHARACTERISTICS

PREMUS™ LI	METHOD	2	3
NLGI Grade		2	3
Color/Appearance	Visual	Amber	Amber
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	100	100
Dropping point, °C	ASTM D2265	205	205
Worked penetration, 10 ⁻¹ mm @25 °C			
- 60 strokes	ASTM D 217	265-295	220-250
- 100,000 strokes		+10%	+12%
Roll stability penetration, % change	ASTM D 1831	+6%	+7%
Wear preventive characteristics			
- Scar diameter, mm	ASTM D 2266	0.5	0.55
Oxidation stability test, psi drop/100hrs	ASTM D 942	2.5	2.5
Water washout @ 79 °C, wt. %	ASTM D 1264	5	4.5
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.

