GREASE
PREMUS LI

DESCRIPTION
PREMUS LI is a range of smooth textured, premium quality, smooth-textured, 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 LEP 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.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Good pumpability.	Thermal stability.
Excellent water resistance.	Excellent anti-wear properties.
Their anti -corrosion enhancement protects efficiently the metallic surfaces against rust.	Long service life.
Outstanding mechanical stability even under vibrating conditions.	

PHYSICAL-CHEMICAL CHARACTERISTICS

CYCLON PREMUS LI	METHOD		
NLGI		2	2
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, mm/10 @25°C 60 strokes 100,000 strokes	ASTM D 217	 265-295 +10%	 220-250 +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/100 hrs	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 abovementioned characteristics represent mean values.

SPECIFICATIONS
NLGI 2: DIN 51825 K2K-25; ISO 6743/9 L-X-CCHA2
NLGI 3: DIN 51825 K3K-25; ISO 6743/9 L-X-CCHA3