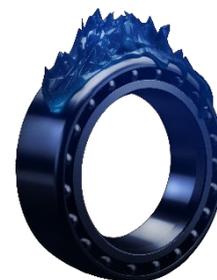


TECHNICAL PRODUCT SHEET

# PREMUS™ LI-FREE EP NLGI 2



## DESCRIPTION

PREMUS™ LI-FREE EP is a high-performance, environmentally conscious grease formulated with a calcium soap thickener and enhanced extreme pressure (EP) additives. Designed for demanding industrial and automotive applications, it offers excellent load-carrying capacity, superior water resistance, and outstanding mechanical stability. Its lithium-free composition makes it a sustainable alternative without compromising on protection against wear and corrosion. PREMUS™ LI-FREE EP ensures reliable lubrication in harsh conditions, including wet environments, while maintaining consistency over a wide temperature range.

## APPLICATIONS

PREMUS™ LI-FREE EP is ideal for the lubrication of bearings, bushings, and other components operating under medium to heavy loads in industrial and automotive environments. Its excellent water resistance and corrosion protection make it particularly suitable for wet or humid conditions, including marine, agricultural, and construction equipment. The grease performs reliably in centralized lubrication systems and manual greasing points, ensuring long service life and reduced maintenance in harsh operating conditions.

## SPECIFICATIONS

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

## PROPERTIES

PREMUS™ LI-FREE EP combines excellent mechanical stability with superior water resistance, making it highly reliable in wet and humid environments. Its calcium soap thickener ensures consistent texture and performance under vibration and shear, while the high-quality base oil provides strong film strength for effective wear protection. Enhanced with extreme pressure (EP) additives, the grease delivers outstanding load-carrying capability for medium to heavy-duty applications. Additionally, it offers robust corrosion protection and oxidation stability, ensuring long service life and reduced maintenance in harsh operating conditions.

## BENEFITS

PREMUS™ LI-FREE EP delivers reliable lubrication under demanding conditions, ensuring extended component life and reduced downtime. Its lithium-free formulation supports sustainability goals without compromising performance, while the calcium soap thickener provides excellent water resistance for use in wet or humid environments. Enhanced extreme pressure properties protect against wear under heavy loads, and superior corrosion and oxidation resistance safeguard equipment in harsh operating conditions. These benefits make PREMUS™ LI-FREE EP a cost-effective and environmentally responsible choice for modern lubrication needs.



## TECHNICAL PRODUCT SHEET

### PHYSICAL-CHEMICAL CHARACTERISTICS

PREMUS™ LI-FREE EP	METHOD	
NLGI Grade		2
Color/Appearance	Visual	Brown
Texture	Visual	Smooth
Thickener type		Calcium 12-hydroxy stearate
Base Oil		Blend of mineral oils
Base oil viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	210
Dropping point, °C	ASTM D2265	160
Worked penetration, 10 <sup>-1</sup> mm @25 °C - 60 strokes	ASTM D 217	265-295
Roll Stability, 10 <sup>-1</sup> mm	ASTM D 1831	3
EP properties weld point, kgf	ASTM D 2596	315
Wear preventive characteristics - Scar diameter, mm	ASTM D 2266	0.50
Oil separation, wt. %	ASTM D 1742	1.3
Water washout @ 79 °C, wt. %	ASTM D 1264	1.7
Antirust properties	ASTM D 1743	Pass
Copper strip corrosion	ASTM D 4048	1b
Operating temperatures, °C		-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.

