

PROGUARD LXS

Heavy-Duty Synthetic Lithium Complex Grease

Product Description:

PROGUARD LXS Series is a heavy-duty synthetic lithium complex greases with high refined base oils and carefully selected extreme pressure (EP) and anti-wear (AW) additives. It used in all medium and low speed bearing and work under heavy conditions that are developed for many general lubrication systems especially in heavy industry applications.

Properties:

- Provides excellent performance thanks to the extreme pressure additive included.
- It is quite resistant to wear and fatigue
- Provides excellent protection against rust and corrosion
- Protects the bearing even in the presence of water and seal.
- Reduces maintenance cost by prolonging the life of bearing and also reduces operating cost by long service.
- Easily used in centralized lubrication systems because of its internal resistance.

Applications:

- **PROGUARD LXS 100** is extreme pressure grease primarily recommended for higher speed applications such as electric motors in all industries such as (cement, steel, oil and gas, paper, textile, ceramic, plastic and etc....)
- **PROGUARD LXS 220** comes with base oil viscosity 220 and is recommended for heavy-duty automotive and industrial applications such as (cement, steel, oil and gas, paper, textile, ceramic, plastic and etc....)
- **PROGUARD LXS 460** comes with base oil viscosity 460 is recommended for bearing under heavy loads and low to medium speed in the most applications.

Generally it could used

- In all areas where lithium complex greases are used which work between -25°C to 150°C
- Steel , Iron, cement, Mining, Paper and Carton Industry
- Automotive supply industry, Crushers, Automotive and railway vehicles axle bearing
- Higher speed applications such as electric motors.

Health, Safety and Environment:

- Normal safety precautions (gloves and safety goggles) Should be employed
- Avoid eye and prolonged skin contact.
- Wash thoroughly after handling material.
- Don't discharge used oil in drains, dispose to an authorized used oil collection point
- For more information, please see the Material Safety Data Sheet (MSDS).

Storage Conditions:

- Should be stored sealed under normal conditions.
- Shelf life in original package and at room temperature is 3 years

Physical and chemical conditions:

PROGUARD LXSY	Method	100	220	460
Appearance	Visual	Smooth and Homogeneous		
color	Visual	Red		
Base Oil	-	Synthetic		
Thickener	-	Lithium Complex		
Base Oil Viscosity@ 40°C	ASTM D 445	100	220	460
Worked Penetration (1/10 mm)	ASTM D 217	265 - 295	265 - 295	300 - 320
NLGI No	-	2	2	1.5
Dropping Point, °C	ASTM D 2265	>270	>270	>270
Four Ball EP, Kg	ASTM D 2596	>270	>270	375
Four Ball AW, mm	ASTM D 2266	Max.0.5		
Oil separation, Weight, %	ASTM D 6184	Max. 3.1		
Water Washout, Weight, %	ASTM D 1264	Max. 3		
Copper Strip Corrosion, 24 h, 100 C, Rating	ASTM D4048	1B	1B	1B
SKF Emscor Rust Test, 10% Synthetic Sea Water	ASTM D6138	0,1	0,1	0,1
SKF Emscor Rust Test, Distilled Water	ASTM D6138	0,0	0,0	0,0

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