

# 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 Emcor Rust Test, 10% Synthetic Sea Water	ASTM D6138	0,1	0,1	0,1
SKF Emcor Rust Test, Distilled Water	ASTM D6138	0,0	0,0	0,0

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