

# PROGUARD LI EP Series

## Extreme Pressure Lithium Grease

### Product Description:

**PROGUARD EP series multi-purpose** extreme pressure lithium grease. It has been developed for bearings operating in heavy conditions. Its water resistance is very good.

### Properties:

- Forms a durable lubrication film, resulting in reduction of maintenance.
- Excellent mechanical stability avoiding ejection / loss of consistency during operation.
- Good thermal stability, leading to high resistance to temperature variations.
- Excellent adhesion to metal.
- Excellent good water resistance
- Miscible with most other conventional soap greases.
- Operating Temperature -25°C / 130 °C

### Applications:

**MOL- PROGUARD EP series generally used in all industries like (cement, steel, oil and gas, paper, textile, ceramic, plastic and etc....)**

- **PROGUARD EP0 and EP1** are recommended for low temperature pumpability and are suitable for centralized lubrication systems.
- **PROGUARD EP2** formulated for lubrication of loaded slide ball, and roller-bearings, wheel bearings, universal joints, chassis, and various shock loaded or vibrating applications in transport, agriculture and off-road equipment, operating in wet, dusty and / or dry conditions.
- **PROGUARD EP3** comes with NLGI 3 is recommended for applications with maximum protection against water or solid contaminants is required.
- **PROGUARD EP00 and EP000** are recommended for the lubrication of enclosed gears and bearings in poorly sealed gear cases on most underground mining machinery.

## 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

## Storage Conditions:

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

## Packing Available in:

- 15 Kg
- 180 Kg

## Physical and chemical conditions:

PROGUARD EP	Method	1	2	3	0	00	000
Appearance	Visual	Smooth and homogenous					
Color	Visual	Blue or yellow					
Texture	Visual	Smooth and Buttery					
Soap Type	-	Lithium					
Base Oil	-	Mineral					
Worked Penetration @ 25°C	ASTM D217	310-340	265-295	220-250	355-385	400-430	445-475
NLGI NO	ASTM D217	1	2	3	0	00	000
Dropping Point, °C	ASTM D2265	195	195	195	190	160	155
Bearing Rust Test @ 52 °C	DIN 51 802	Passes					
Four Ball Ep,kg	ASTM D2596	265:295					
Four Ball AW,mm	ASTM D2266	<0.6					
Timken OK Load ,kg	ASTM D2509	40					
Oil Sep. @ 40h &150 °C ,%	ASTM D6184	Max. 5					
Cop. Cor. @24h & 100 °C	ASTM D4048	1A					
Viscosity @ 40 °C, Base Oil, mm <sup>2</sup> /s	ASTM D445	>160					
Viscosity @ 100 °C, Base Oil, mm <sup>2</sup> /s	ASTM D445	>14					
Viscosity Index	ASTM D2270	95					
SKF Emcor Rust Test, Distilled Water	ASTM D6138	0,0					

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