

# PD-2 SYNTH 460, 680 & 1000 HD (Heavy duty Lithium-Complex & Marine grease)

*(Lithium- complex, synergistic base oil & Mox-Active + PAO based Ester additive)*

## DESCRIPTION:

PD-2 SYNTH 460, 680, 100 HD is high performance Lithium-complex soap thickener-based grease with incorporating high dosage of special white solid lubricants Mox-Active (Organo Molybdenum Complex) a German technology improvement additive system and PAO based Ester with extreme pressure additive combination of high viscosity of synergistic base oil are forming a stable lubricant film to withstand continuous high shock loads & provide excellent water resistance of heavier oil film for applications with excessive high loading at slow and medium speed & high temperature, high shock loads and heavy vibrations and to stand with. It possesses resistance to water washing and provides effective protection against rust and corrosion for both ferrous and non-ferrous metals for extreme pressures.

## APPLICATIONS

- PD-2 SYNTH 460, 680, 100 HD grease is recommended where continuous low & medium Speed bearings with high loads intermittent very high temperatures are experienced.
- It is recommended for application for high temperature application in slip seal in KLINS of sponge plants where vibration, shock loads and non-melting grease is required.
- It can also be used in ambient temperature applications where high resistance to water washing is needed at medium & low speed bearings. Applications: Steel, Sponge Iron plants, Industrial, Automotive, Construction equipments, Cement, Sugar, Mining, Marine, Paper Mill & Chemical Industry.
- It is a pumpable grease when working under high hydraulic pressure generated by the pumps of centralized and Individualized systems.

## BENEFITS

- Better bearing protection and lower grease consumption & Immediate monetary savings.
- Extends bearings life and gives longer relubrication intervals & also reduce energy consumption.
- High protection against seizure and wear, avoiding expensive repairs.
- Reduced wear under heavy shock loads and vibration for good equipment reliability and availability.
- Protection against rust and corrosion, resistance to water washout for equipment protection.
- Good pump ability in centralized systems, Effective leakage control.
- Excellent flow and pump-ability for automatic centralized and Individualized systems.

## PROPERTIES

GRADES	PD-2 SYNTH 460 HD	PD-2 SYNTH 680 HD	PD-2 SYNTH 1000 HD
NLGI	00, 0, 1, 2		
Color & Appearance	Golden Brown, Smooth, Buttery & Tacky		
Base oil type	Semi-synthetic (Synthetic + Mineral)		
Thickener	Lithium-complex		
Solid Lubricants	Mox-Active + PAO based Ester		
Viscosity at 40° Cst	460	680	100
Drop Point, °C min	+ 280	+ 280	+ 280
Work Penetration	265-295	265-295	265-295
Operating Range, °C	-30°C to 160°C	-30°C to 160°C	-30°C to 160°C
Viscosity at 40° Cst	460	680	100
Copper strip corrosion	1a	1a	1a
4-Ball Weld Load kgs	+500	+620	+800

## POWERMAXX LUBE INDIA

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