

## PD SYNTH-2, 1, 0, 00, 000 & 1000-00

### DESCRIPTION: *(Semi-Synthetic base oil + Lithium-Complex + Mox-Active + MFT + Special EP Additive)*

PD SYNTH PD-2 SYNTH grease is high performance Lithium Complex soap thickener-based grease with incorporating high dosage of MFT (Micro flux Trans) & Mox-Active (Organo Molybdenum Complex) an improvement additive system with extreme pressure additive and combination of high viscosity of synthetic & mineral base oils are forming a stable lubricant film to withstand high continuous loads, high shock loads and heavy vibrations. Due to special synthetic additive package, this grease gives, resistance to water washout for equipment protection, extremely smooth surfaces resulting in minimum wear and reduces maintenance cost and extend the life of equipment and very low co-efficient of friction elements, avoiding seizure & expensive repairs. It gives extended bearings life and gives longer relubrication interval periods and over a wide range of temperatures for bearing applications and gives high protection by minimizing metal-to-metal contact and reduces friction.

### APPLICATIONS

- PD SYNTH grease is used for continuous high temperatures or intermittent very high temperatures is experienced. Wide operating temperature range: **-30°C to +180°C**.
- It is recommended for application such as furnace door bearings and kiln car wheel bearings and for general industrial lubrication where non-melting grease is required.
- PD SYNTH -1 & 2 is highly recommended for roller and Sliding Bearings, Spindles, Steel, Cement, Paper, Chemical, Mining, Construction Industry & VSI in Stone Crusher & Cone Crusher (Quarry).
- PD SYNTH-0, 00, 000 & 1000-00 is recommended for anti-friction bearings where high resistance to water washing is needed with grease reservoir and for leaky gear boxes. This grease is easily pump able in central lubrication systems; it does not channel on gears running at high speeds when using.

### ADVANTAGES & 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

NLGI GRADE	000	00	0	1	2	1000-00
Color	Brown Yellowish					
Base Oil Type	Mineral oil & Synthetic base oil (Semi-Synthetic Base Oil)					
Solid Lubricants	MFT (Micro flux Trans) & Mox-Active (Organo Molybdenum Complex) + 3% to 5% PAO based Ester solid lubricants					
Thickener	Lithium Complex Soap + EP Properties					
Drop Point min	280-320					
Work Penetration	455 - 475	400 - 430	355 - 385	310-340	265 - 295	400 - 430
Operating Range	-30°C to 180°C					
Viscosity at 40°C	160	160	160	100	100	1000
4-Ball Weld Load in kgs	350-380	350-380	350-380	350-380	350-380	350-380

### POWERMAXX LUBE INDIA

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