

## PD-2 SYNTH (Synthetic lithium-complex + Mox-Active German technology + PAO Ester)

**DESCRIPTION:** PD-2 SYNTH is high performance lithium complex soap thickener-based grease formulated with high quality 100% synthetic Polyalphaolefin (PAO) base oil are forming a stable lubricant film to withstand mechanical stability, high continuous loads, high shock loads and heavy vibrations. PD-2 SYNTH contains high dosage of PAO synthetic ester additives with white solid lubricants German technology additive & Mox-Active (Organo-Molybdenum-Complex) an improvement additive system are forming a stable lubricant film to withstand high continuous loads to create a passive film on friction surfaces before friction occurs, optimum wear protection and an extremely low coefficient of friction even under extreme pressures, heavy vibrations & high shock loads. Due to special synthetic additive package antioxidants, anti-corrosion, rust inhibitors & special EP additives 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 coefficient of friction elements avoiding seizure & expensive repairs. It also provides optimum wear protection under extreme loads at high speeds.

### APPLICATIONS

- PD-2 SYNTH grease is used for continuous high temperatures or intermittent very high temperatures is experienced. Wide operating temperature range: -40°C to +160°C.
- It is recommended for sealed for life bearings, rolling element bearings, high-speed antifriction bearings, electric motors, fans, air-conditioning bearings, automotive alternator/generator/starter motor bearings and other wide range of industrial & modern robotic manufacturing equipment applications.
- PD-2 SYNTH 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 pumpable 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.
- 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.
- Excellent flow and good pump-ability for automatic centralized and Individualized systems.
- Thickener does not melt extremely high dropping point and High-pressure loading capacity.
- Effective leakage control, will not soften and leak from bearings exposed to high temperature.
- Resistance to water washing, steam and humid conditions.
- Low consumption, Immediate monetary savings, extends bearings life and gives longer relubrication intervals. High protection against seizure and wear, avoiding expensive repairs.

### PROPERTIES OF PD-2 SYNTH

SPECIFICATIONS	PROPERTIES
NLGI Grade available	00, 1, 2
Work Penetration	265-295
Base Oil Type	Synthetic oil (PAO)
Colour & Appearance	Yellowish Brown, Smooth & Tacky
Thickener	Lithium Complex + EP
Solid Lubricants	Mox-Active)+ Synthetic (PAO) ester
Base Oil@ 40	80 -110
Drop Point	+280
Operating-Temperature	-40°C to 160°C
Copper Corrosion	1a
4 Ball Weld Load kgs	315-400

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