

## SYNTH PD NB-15 (High Speed Bearing Grease)

### DESCRIPTION

**SYNTH PD NB-15** is synthetic grease specially formulated with Synthetic (PAO) Group-5 base oil, special metal complex and highly stable chemical additives for high speed operations. These special chemical additives reduce the fatigue and abrasive wear considerably under extreme dynamic load conditions where operating speeds and temperature are too high. It is ideally suitable for centralized lubrication system where fluid greases are required to reduce their internal friction and pumping losses.

### APPLICATIONS

- Centralized lubrication systems, ball bearings, spindle bearings, cylindrical roller bearings, conical roller bearings, needle bearings FHP motors, instrument bearings, gear couplings, internal grinders, manhot spindles, vertical milling cutters, small bearing, cams, universal joints, engines, turbines etc.
- As long life lubricant for bearings in textile industry, cold industry, telecommunication, food and pharmaceutical, paper processing, optical mechanism, household equipment.
- Top rollers needle bearings of Draw frames in Textile Industries.
- For low temperature equipment down to (-) 40°C.

### ADVANTAGES & BENEFITS

- Designed to high speed and low temperature requirements and where minimum friction or low torque is required during start up and running in, minimize repair costs & reduces maintenance down time.
- Very high speed factor of one million, hence does not get thrown off in bearings operating at high speeds, extends re-lubrication interval & long life lubricants.
- Low intrinsic bearing heat due to low lubricant friction enabling longer service life.
- Excellent water resistance property, as well as excellent stability to oxidation and corrosion.
- Anticorrosive additives protect bearings against premature failure.
- Uninterrupted machine operation due to good pumpability and metering in customary centralized lubricating systems.

### PROPERTIES OF SYNTH PD NB-15

Color & Appearance	Buttery Pink to Beige & Smooth Homogeneous (Minor variation in shade has no effect on the performance of the product)
Base Oil Type	Synthetic (PAO) Group-5
Thickener	Special Metal Complex
Base oil Viscosity (cSt) @40°C	18 - 24
Base Oil Viscosity (cSt) 100°C	4.5 to 5
Drop Point	+240
Consistency NLGI	2
Worked Penetration	265-295
Flash Point of Base Oil, °C	215 min
Pour Point of Base Oil, °C	-40 max
DN Factor	1600000
4 Ball Wear Scar (mm)	0.6
4-Ball Weld Load in kgs	200
Copper Strip Corrosion	Negative
Oxidation Stability (kg / cm <sup>2</sup> )	0.1 (max)
Operating Range °C	-40°C to 180°C
Minimum shelf life from the date of manufacture	36 months

**POWERMAXX LUBE INDIA**

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