

PD Unirax N-3 (Synthetic High temperature Lithium Complex Grease)

(High Temperature grease with Synthetic PAO (PolyAlphaOlefin) base oil + Lithium-Complex + Mox-Active special German technology & Special EP Additive)

DESCRIPTION:

PD Unirax N-3 grease is formulated with lithium-complex thickener designed with premium viscosity synthetic PAO base oils to stand with water provide a heavier oil film for applications with excessive loading at slow and high speed & high temperature **PD Unirax N-3** grease contains small dosage of synthetic (PAO) ester additive, special white solid lubricants Mox-Active (Organo Molybdenum Complex) a German technology improvement additive with antioxidants, anti-corrosion, rust inhibitors and special EP additive. It possesses resistance to water washing and provides effective protection against rust and corrosion for both ferrous and non-ferrous metals for extreme pressures, vibration, shock loads, wide temperature range and components that are prone to fretting corrosion.

APPLICATIONS

- **PD Unirax N-3** greases can be used in a wide range of industrial applications and are particularly recommended for application in electric-motor lubrication small & medium bearings and roller bearing where antifriction bearings operating for wide range of industrial applications operating under medium and high speed ball & roller bearings operating at high temperatures for general industrial lubrication where non-melting grease is required particularly heat resistance is required.
- **Versatile Application:** It is recommended for various applications such as home appliance motor and electrical components for automobiles, sealed for rolling element bearing, heavy duty electric motor ball, fans, air-conditioning bearing, automotive: alternator, generator, starter motor bearing, Industrial fans, including high speed fans, water pumps, rolling bearings in textile, paper processing and drying machines, clutch release bearing, vertical shaft, kiln trucks and roller, centrifugal pump & bearing, high speed motor bearing, furnace door bearing & kiln car wheel bearing.
- **Applications Industry:** Steel, Stone Crusher (VSI, Cone, Jaw Crusher, Breaker, Screen), Cement, Sugar, Mining, Marine, Paper & Chemical.

PROPERTIES

GRADES	PD Unirax N-3
NLGI	3
Colour & Appearance	Green
Thickener	Lithium - Complex
Base Oil Type	Synthetic PAO (PolyAlphaOlefin)
Solid Lubricants	Mox-Active (Organo Molybdenum Complex) + PAO Ester
Drop Point, °C min	+ 280
Work Penetration	220 - 250
Operating Range, °C	-40 to 180
Viscosity at 40°C Cst	100
Viscosity at 100°C Cst	12.3
Viscosity Index	95
4-Ball Weld Load in kgs	+315
Copper Corrosion	1a
Water Washout, Loss %	3-5
Oil Separation 30 hrs @100°C	0.6 to 1.0 max
Roll Stability Consistency mm,	0

BENEFITS & ADVANTAGES

- Excellent oil film retention property when temperature rises the grease bleeds oil and when temperature drops, the free oil returns back to the grease.
- Lithium complex thickened grease does not melt extremely high dropping point formulated with a premium additive system and a combination of synthetic and conventional base oils.
- Optimized formula provides superior performance properties over a wide operating range *-20°C to 180°C (-5° to 356°F)*, for a variety of weather conditions and application temperatures.
- High load-carrying capacity offers wear protection under severely loaded conditions; capable of carrying up to 3X more load than conventional greases.
- Enhanced water and corrosion resistance protects equipment under adverse conditions including *saltwater spray (Sea Water)* and exposure to corrosive anti-icing agents
- Resistance to water washing, steam and humid conditions.
- Will not soften and leak from bearings exposed to high temperature, maintained despite cycling temperature conditions.
- Excellent flow and pump-ability for automatic centralized and individualized systems.
- Superior protection in a variety of applications where enhanced load carrying capability, water resistance, and anti-corrosion protection properties are required.
- Thermally stable, can withstand high shock loads and minimizing metal to metal contact.
- Extends equipment bearing life through superior performance & gives longer re-greasing intervals
- High protection against seizure and wear, avoiding expensive repairs.
- Highly loaded bearings in water / steam contaminated environments, No need for external cooling.
- Reducing grease consumption & low cost gives immediate monetary savings.

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