

# SYNTH POLYTHERM-2 150 WT

## (Generator Bearing grease)

### DESCRIPTION

SYNTH POLYTHERM-2 150 WT is synthetic grease formulated with advanced technology contains Polyurea thickener blended with high quality synthetic base oil PAO (PolyAlphaOlefin) for structural stability and resistance to withstand water for better high load carrying, antioxidants, anti-corrosion and special EP additives along with compatible friction modifier to deliver outstanding performance in severe application areas like Yaw, Pitch & Generator bearings of Wind Turbines, Steel, Paper & etc. It is specially developed for application areas where slow, medium & high speed applications working under low & high temperatures at highly stressed anti-friction bearings & rollers bearings operating under water contact or presence is there and gives outstanding performance specially in Wind Turbine bearings.

PAO based synthetic greases are composed of 100% synthetic base oil which provides longer lubrication.

### APPLICATIONS

- SYNTH POLYTHERM-2 150 WT meets specifications of wind turbines Yaw, Pitch & Generator bearings in Wind turbines, Electric motors bearings especially for high output (horse power): Small medium & Large, high load electric motors, high temperature water pump bearings, sealed for life bearing.
- Recommended application temperature range for continuous operation is from -40°C to 160°C.
- Antifriction bearings operating at high speed & high temperature (10,000 rpm & greater)
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use an automatic centralized & Individualized pneumatic pump system, cartridges or grease dispensers.

### FEATURES, BENEFITS & ADVANTAGES

- Excellent extreme-pressure protection load-carrying ability for equipment protection under heavy shock loads & minimizing metal to metal contact with excellent high temperature oil bleed control
- Excellent water resistance – means the lubricating film is not washed off even in the presence of water.
- Superior mechanical stability – helps reduce product consumption in high volume applications.
- High dropping point – withstands breakdown in high temperature applications.
- Resists oxidation and prevents corrosive activity on bearings in aggressive process water environments.
- Excellent protection against wear, rust and corrosion- Reduced downtime and maintenance costs
- Excellent pumpability-Reliable lubrication of bearings using centralized grease systems or dispensers.

### PROPERTIES

SPECIFICATIONS	SYNTH POLYTHERM-2 150 WT
NLGI	2
Thickener type	Synthesized Polyurea
Color & Appearance	Beige, Smooth, buttery & Tacky
Viscosity @ 40°C Cst	Synthetic Oil – 100 to 220 Cst
Operating Temperature	-40°C to +160°C
Dropping Point	280
Worked Penetration	265-295
4 Ball EP Weld Load in kgs	315 - 350
Water wash out	0.5 % max
Copper Strip Corrosion	1a

**Additional information:** In order to minimize potential incompatibilities when converting to new grease, all previous lubricant should be removed as much as possible prior to operation. During initial operation, lubrication intervals should be monitored closely to ensure all previous lubricant is purged.

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