



Technical Data Sheet

- EXCELLENT CORROSION PROTECTION
- REDUCED ENERGY CONSUMPTION

Pure Tech SynGuard EP 1500 Grease

Ultimate Protection for Extreme Loads and Slow Speeds.

Pure Tech SynGuard EP 1500 Grease is a super-premium synthetic grease formulated with a high-viscosity synthetic base fluid and a lithium complex soap thickener. The wax-free synthetic base oil delivers excellent low-temperature mobility and pumpability, while its low coefficient of traction ensures superior lubrication performance. This advanced formulation helps reduce friction, lower operating temperatures, and improve energy efficiency in heavily loaded bearing applications.

PERFORMANCE, FEATURES & BENEFITS

- Outstanding protection for slow-speed, heavily loaded bearings
- Excellent corrosion protection
- Superior structural stability in the presence of water
- Reduced energy consumption due to low coefficient of traction
- Extended relubrication intervals
- Low volatility for long service life
- Lead, Chlorine, and Nitrite free

MAIN APPLICATIONS

Pure Tech SynGuard EP 1500 Grease is an NLGI 2 grade lithium complex grease formulated with an exceptionally high ISO VG 1500 synthetic base oil. It is specifically designed for plain and rolling element bearings operating at extremely slow speeds, under heavy loads and high temperatures.

The high-viscosity synthetic base oil also makes this grease suitable for open gear applications.

Recommended operating temperature range: -20°C to +180°C

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	METHOD	SynGuard EP 1500 Grease
NLGI Grade	ASTM D217	2
Soap Type	ASTM D445	Lithium Complex
Colour	Visual	White
Penetration, Worked	ASTM D217	325
Dropping Point °C	ASTM D2265	250
Viscosity of Oil cSt @40°C mm ² /s	ASTM D445	1500
Viscosity of Oil cSt @100°C mm ² /s	ASTM D445	100
4-Ball Wear, Scar mm	ASTM D2266	0.6
4-Ball Weld, Kg	ASTM D2596	250

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Pure Tech SynGuard EP 1500 Grease is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

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