



PRODUCT DATA

Castrol Pyroplex Protection ES

Castrol Pyroplex Protection ES is specially formulated synthetic lithium complex grease designed for extended service performance in challenging on-highway environments. Its unique inhibitor additive system provides maximum protection against rust, oxidation and corrosion. When performance is challenged in severe corrosive environments, Castrol Pyroplex Protection ES not only resists rust and corrosion, but provides unmatched protection for moving parts, reducing component wear and promoting longer equipment and lubricant life. Its inherent flow properties across wide temperature ranges make Pyroplex Protection ES ideal for automatic lubrication systems on mobile equipment. Castrol Pyroplex Protection ES is an extension of Castrol's exclusive hydro-activation technology coupled with a lithium complex thickener, tackifiers, corrosion inhibitors, proprietary additives and carefully selected synthetic base fluids, that provide corrosion resistance, extreme pressure performance, and "stay-in-place" ability with outstanding mobility through all seasons.

Features and Benefits

Castrol Pyroplex Protection ES delivers:

- Extended service protection for On Highway applications.
- Full Synthetic providing excellent low and high temperature performance.
- Exceptional pumpability where in most climates the NLGI #2 can be used year round.
- Oxidation minimized through excellent thermal stability. Noted load carrying ability.
- Maximum protection against rust, oxidation and corrosion in extreme environments.
- Exclusive hydroactivation technology for increased tack in wet environments.
- Extreme pressure and anti-wear performance.
- High dropping point
- GC-LB certified

Castrol Pyroplex Protection ES environmental impact is reduced through the elimination of Antimony, Barium, Lead, or Chlorinated Compounds.



Industry Specifications and OEM Approvals by Grade

Exceeds GC-LB

Typical Properties*

	ASTM Test	1	2
NLGI Grade		1	2
Thickener-Type		Lithium Complex	Lithium Complex
Color		Light Purple	Light Purple
Appearance		Smooth-Tacky	Smooth-Tacky
Penetration, Worked @ 77°F	D217	325	280
Dropping Point, °F	D2265	550	550
4-Ball EP Weld Point, kg	D2596	400	400
4-Ball Wear Scar, mm	D2266	0.5	0.4
Timken OK Load	D2509	50	50
Mobility-g/Min., 60°F	USS	550	475
Mobility-g/Min., 40°F		296	146
Mobility-g/Min., 20°F		74	25
Mobility-g/Min., 0°F		10	3
Water Washout, %	D1264	10	3
Base Oil Viscosity, SSU@100°F	D445	1480	1480
Base Oil Viscosity, SSU@210°F	D445	144	144
Base Oil Viscosity, cSt@40°C	D445	320	320
Base Oil Viscosity, cSt@100°C	D445	30	40
Rust Prevention	D1743	Pass	Pass
Wheel Bearing Life, hrs	D3527	160	160
Wheel Bearing Leakage,g	D4290	3	1.5
Oxidation Test @210°C, min	D5483	30	35
Copper Corrosion	D4048	1B	1A
Emcor Corrosion	D6138		
5% NaCl, 7 days		0,0	0,0

* Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.



Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDSs are available upon request through your sales contact office, or via the Internet at www.castrol.com/us. This product should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment, return used oil to collection center.

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