

AXCL Lithcare XTG Grease *Lithium Complex*

AXCL Lithcare XTG Lithium Complex grease are high performance lithium complex greases with extreme pressure properties, developed for automotive wheel bearing lubrication where they can operate at high temperatures. They have excellent load carrying and anti-wear properties in both steel-on-steel and steel-on-bronze applications. This product contains an effective oxidation and rust inhibitor and has low wash-out properties that are important performance requirements for wheel bearing lubrication.

AXCL Lithcare XTG Lithium Complex Grease is a complex grease, formulated with a lithium soap thickener and high-quality mineral base oil. It consists of a deeply refined mineral oil base fluid thickened with a metal complex soap thickener and contains performance-enhancing additives.

- **Extreme Pressure (EP) Properties:** Handles high loads and minimizes wear, extending wheel bearing life.
- **Excellent Load Carrying Capacity:** Provides superior protection against wear and tear in both steel-on-steel and steel-on-bronze applications.
- **Superior Water Resistance:** Low wash-out properties ensure effective lubrication even in wet environments.
- **Thermal Stability:** Effective operating temperature range extends from -15°C to 180°C (with peak up to 190°C), ideal for hot operating conditions.
- **Rust and Oxidation Protection:** Contains effective inhibitors to prevent rust and oxidation, promoting long-lasting performance.
- **Good Pumpability:** Ensures easy application through grease lines.
- **Mechanical Stability:** Maintains consistent structure for reliable lubrication.

Application

- Automotive wheel bearings
- Continuous casting machinery
- Vibrating sieves
- Quarries
- Breakers
- Roller conveyors
- Other heavy-duty bearing applications requiring excellent performance in wet and high-temperature environments.

Benefits & Advantages

- Excellent protection against wear and tear
- Effective in wet and high-temperature environments
- Extended wheel bearing life
- Versatile for various heavy-duty machinery

Specification & Parameter

#	Test	Result	
1.	Soap/Thickener	Lithium Complex	Lithium Complex
2.	NLGI Grade	2	3
3.	Texture	Smooth & Homogenous	Smooth & Homogenous
4.	Base Oil Type	Mineral	Mineral
5.	Kinetic Viscosity @ 40 °C	220	220
6.	Kinetic Viscosity @ 100 °C	19.0	19.5
7.	Penetration @ + 25 / - 0.5 °C	235	275
8.	Dropping Point, °C	280	280
9.	Four Ball Weld Load, Kgs Min	315	315
10.	Four-Ball Extreme Pressure Test, Load Wear Index, kgf, ASTM D2596	46.7	46.7
11.	Timken Load, lb	40	40
12.	Water Wash-out [1 hr/79°C],% Wt.Loss	5 max	5 max
13.	Roller Stability 100 hrs, Change in Penetration	+25-point change Max	+25-point change Max
14.	Copper Corrosion, 24hrs @ 100C	1b	1b
15.	Oxidation Stability, Pressure Drop, 100 h, kPa, ASTM D942	35	35

**Technical data provided here is for reference only. Minor variations in product typical test data are to be expected.*

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