



Research & Development

PRODUCT DATA SHEET

AXCL Lithcare EP Grease

AXCL Lithcare EP Grease is a high-performance lithium grease formulated for exceptional protection in demanding environments. Formulated with cutting-edge technology and fortified with potent anti-rust and corrosion inhibitors, this reliable grease delivers outstanding performance in high temperatures and extreme pressures, making it ideal for a wide range of applications.

- **Exceptional High-Temperature Performance:** Maintains excellent structural integrity and adhesion even at extremely high operating temperatures.
- **Superior Water Resistance:** Resists water washout, staying put for reliable lubrication in wet environments and applications exposed to water ingress.
- **Wide Operating Temperature Range:** Effective from -20°C to 150°C, ensuring year-round protection and consistent performance across a broad range of conditions.
- **Advanced Anti-Rust and Corrosion Additives:** Provides a superior shield against rust and corrosion, safeguarding critical components like axles, bearings, and rings.
- **Extended Relubrication Intervals:** Delivers long-lasting lubrication, minimizing maintenance requirements and downtime, ultimately reducing operational costs.

Benefits & Advantages

- **Reduced Downtime and Maintenance Costs:** Extended lubrication intervals minimize maintenance needs.
- **Extended Equipment Life:** Superior protection against wear and tear safeguards components and extends equipment lifespan.
- **Reliable Performance in Harsh Conditions:** Delivers consistent lubrication and protection even in the most demanding environments.

Applications

- **Automotive Wheel Bearings:** Ideal for various vehicles and demanding driving conditions.
- **High Temperature and Pressure Applications:** Protects machinery operating under extreme loads and heat.
- **Wet Environments:** Resists water washout and ensures reliable lubrication in wet conditions.





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Specification & Parameter

#	Test	Method	Result	
1.	Soap/Thickener	-	Lithium 12-hydroxystearate	Lithium 12-hydroxystearate
2.	NLGI Grade	ASTM D 217	2	3
3.	Texture	-	Smooth & Homogenous	Smooth & Homogenous
4.	Color	Visual	Light Yellow/Dark Brown	Light Yellow/Dark Brown
5.	Base Oil Kin. Viscosity @ 40 °C	ASTM D 445	170	180 - 190
6.	Penetration @ 25 °C	ASTM D 217	265 - 295	220 - 250
7.	Dropping Point, °C	ASTM D 22	Min 180	Min 180
8.	4 ball Weld Load in Kgs	ASTM D 2596	250	250
9.	4-ball Scar, mm	ASTM D 2266	0.5	0.5

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

Storage & Handling

The product should be stored indoors and stored in a clean and dry location. Keep it properly sealed to avoid contamination. Avoid direct influence of sun and moisture, away from the ignition source. Recommended storage temperature -5°C to +25°C.

Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Material Safety Data Sheet (MSDS) which is available on request via your local sales office or writing to info@axcllubes.com.

Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.

Protect the environment

Take used oil or grease to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

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AXCL GULF, P O Box 41563, Phase 1, Hamriyah Free Zone, Sharjah, United Arab Emirates, Telephone: +971 6 526 3030, Fax: +971 6 526 3131.
www.axcllubes.com, info@axcllubes.com

