

DURALIFE® LITHIUM COMPLEX GREASES LG

DURALIFE® LITHIUM COMPLEX GREASES LG are manufactured from high quality mineral oils with Lithium complex thickener , extreme pressure additives , rust and corrosion inhibitors. They are multipurpose , high dropping point greases with good water resistance, mechanical stability and pump-ability making them very suitable for grease dispensing systems.

APPLICATIONS :

DURALIFE® LITHIUM COMPLEX GREASES LG are suitable for most automotive, mining, construction, steel mills , marine, agricultural and all other industrial applications such as wheel bearings, chassis , conveyors ,anti-friction bearings, plain bearing , roller bearings , etc. operating under extreme shock loads and high temperatures.

BENEFITS :

- Protect bearings against wear under severe conditions of shock loading.
- Excellent extreme pressure properties.
- Resist water washing and rusting.
- Minimize leakage from bearings and stay in place on high-speed machinery through outstanding adhesion properties under severe high temperature conditions.
- Long operational life at high temperature.

TYPICAL CHARACTERISTICS :

Product Specifications	Typical Results		
	LG 1	LG 2	LG 3
NLGI Grade	1	2	3
Thickener type	Lithium complex	Lithium complex	Lithium complex
Texture	Smooth	Smooth	Smooth
Dropping point , °C (°F) , ASTM D 2265, min.	232 (450)	260 (500)	260 (500)
Penetration @25 °C(77°F) , Worked (60 Strokes),0.1mm, ASTM D 217	310-340	265 - 295	220 -250
4-Ball Wear, mm, 1hr ,75 °C ,1200 rpm,40Kgf, ASTM D 2266	0.5	0.5	0.5
4-Ball EP, Load Wear Index (LWI) ,Kgf, ASTM D 2596	50	50	50
4- Ball EP, Weld point, Kgf, ASTM D 2596	315	315	315
Timken OK load, lbs, ASTM D 2509	65	65	65
Rust Protection, ASTM D 1743	Pass	Pass	Pass
Copper Corrosion, ASTM D 4048	1b	1b	1b
Oil Separation, wt%, ASTM D 1742	< 5	< 5	< 5
Oxidation Stability @210 °F , psi Drop 100 hrs Max , ASTM D 942	5	5	5
Water Washout @ 175°F, %wt loss, ASTM D 1264	-	3.0	1.7
Low Temperature Torque, N-m, ASTM D 4693	< 15.5	< 15.5	< 15.5
Leakage Tendencies of Automotive Wheel Bearing Grease, gram, ASTM D 1263	< 5	< 5	< 5
Operating Temperature Ranges:			
Minimum, °C (°F)	-25(-13)	-25(-13)	-25(-13)
Maximum Continuous Service, °C (°F)	177 (350)	200 (392)	218 (425)

The above characteristics are average values based on recent production .Minor variations which do not affect product performance are to be expected in normal manufacture .

WARNING!

Contains petroleum distillates. Contact with skin or eyes can cause irritation. Avoid prolonged contact. Wash thoroughly after handling. Avoid breathing vapors. If irritation, headache or nausea occurs, remove to fresh air. Get medical attention if symptoms persist. If swallowed, do not induce vomiting. Consult physician immediately.
Keep away from children. Do not store above 120°F. Keep away from heat or flame.

Reference **SDS Number 12042** database on our website at www.amtecol.com OR scan the code for a direct link

