DURALIFE® EP MOLY LITHIUM COMPLEX GREASES MoG

DURALIFE® EP MOLY LITHIUM COMPLEX GREASES MoG Products are manufactured from highly refined selected base oils with Lithium complex thickener, extreme pressure(EP)& anti-wear (AW)additives, molybdenum disulfide, antioxidants, rust and corrosion inhibitors. They are multipurpose, high dropping point grease with good water resistance, mechanical stability and pump-ability making them very suitable for grease dispensing systems.
Molybdenum disulfide particles provide an extra measure of protection in shock loading situations and excellent solid-film lubrication long after the grease extrudes under severe pressure conditions. The solids are well-recognized for giving an extra performance boost to oil- based liquid lubricants and greases, preventing the metal-to-metal contact that causes wear, galling and eventual seize-up.

APPLICATIONS :
DURALIFE® EP MOLY LITHIUM COMPLEX GREASES MoG Products are suitable for heavily loaded equipments in most automotive, mining, construction, steel mills , marine, agricultural and all other industrial applications such as wheel bearings, chassis ,fifth wheels, ball joints in construction equipments, cranes, conveyors ,plain and anti-friction bearings, roller bearings, roller chains, gears, sheaves, cables, slides, hinges, press fittings and couplings, etc. operating under extreme shock loads, cold weather conditions and high temperatures.

- **Off-Road Construction Applications:** Tractors (dozers), excavators, backhoes, shovels, high lifts, articulated loaders, haul trucks, tri-axle dumps and more.
- **Agriculture Applications:** Medium to heavy duty front steer and articulated tractors and loaders to larger new rubber tracked units. These products will work well in many applications including three point hitches, high lift pins and bushings and other heavy duty farm related industrial machinery.
- **Heavy Duty On/Off Highway Vehicles:** Heavy duty tri-axle dump trucks, cement mixers, etc.

BENEFITS :

- Protect bearings against wear under severe conditions of shock loading.
- Excellent extreme pressure properties.
- Superior high temperature and better low temperature performance.
- 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**	
	MoG 1	**MoG 2**
NLGI Grade	1	2
Texture	Smooth/Tacky	
Thickener type	Lithium complex	
Dropping point , ºC (ºF) , ASTM D 2265	>232(450)	>260(500)
Penetration @25 ºC(77°F) , Worked (60 Strokes),0.1mm, ASTM D 217	310 - 340	265 - 295
Timken OK Load, lbs , ASTM D 2509	60	60
4-Ball Wear ,mm , 1hr ,75 ºC ,1200 rpm,40Kgf ,ASTM D 2266	< 0.45	< 0.45
4-Ball EP , Load Wear Index (LWI) ,Kgf, ASTM D 2596	65	65
4- Ball EP , Weld point ,Kgf , ASTM D 2596	400	400
Rust Protection , ASTM D 1743	Pass	Pass
Copper Corrosion ,ASTM D 4048	1b	1b
Oil Separation ,wt%, ASTM D 1742	< 5	< 5
Oxidation Stability @210 ºF , psi Drop 100 hrs Max , ASTM D 942	5	5
Water Washout @ 175ºF ,%wt loss , ASTM D 1264	< 5	< 5
Operating Temperature Ranges : Minimum, ºC (ºF) Maximum Continuous Service, ºC (ºF)	 -25(-13) 175(347)	 -25(-13) 175(347)

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 12089 database on our website at **www.amtecol.com** OR scan the code for a direct link*