



DURALIFE® HEAVY DUTY EP LITHIUM COMPLEX GREASES HDLCG

for Heavy Duty Construction and Mining Industry

DURALIFE® HEAVY DUTY EP LITHIUM COMPLEX GREASES HDLG are manufactured from high viscosity quality mineral oils with Lithium complex thickener, and a synergistic combination of high quality EP and Heavy duty additives. They contain a tackiness additive to enhance retention on lubricant parts. They are multipurpose, high dropping point greases, excellent structural and oxidation and high resistance to water washout, mechanical stability and pump-ability making them very suitable for grease dispensing systems.

APPLICATIONS :

DURALIFE® HEAVY DUTY EP LITHIUM COMPLEX GREASES HDLG are specially designed for heavy duty applications in Construction and Mining Industry and can also be used in Automotive, Marine, Agricultural and all other Industrial applications such as in suspension systems, wheel bearings, universal joints, ball joints and anti-friction plain bearings operating effectively in water ingress conditions as well as in dusty/harsh environments.

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	
	HDLCG 1	HDLCG 2
NLGI Grade	1	2
Thickener type	Lithium complex	
Texture	Smooth, Tacky	
Dropping point, °C (°F), ASTM D 2265	>249 (480)	>260 (500)
Penetration @25 °C(77°F), Worked (60 Strokes),0.1mm, ASTM D 217	310-340	265 - 295
4-Ball Wear ,mm , 1hr ,75 °C ,1200 rpm,40Kgf ,ASTM D 2266	0.5	0.5
4- Ball EP , Weld point ,Kgf , ASTM D 2596	500	500
Timken OK Load, lbs	80	80
Rust Protection , ASTM D 1743	Pass	Pass
Copper Corrosion ,ASTM D 4048	1b	1b
Oxidation Stability @210 °F , psi Drop 100 hrs Max , ASTM D 942	5	5
Water Washout @ 175°F ,%wt loss , ASTM D 1264	5	2
Leakage Tendencies of Automotive Wheel Bearing Grease, gram, ASTM D 1263	6	3
Operating Temperature Ranges :		
Minimum, °C (°F)	-25(-13)	-25(-13)
Maximum Continuous Service, °C (°F)	177 (350)	200 (392)

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 persists. 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

