

POWEROIL GEM LC2

LITHIUM COMPLEX GREASE - EXTREME PRESSURE TYPE

POWEROIL GEM LC2 is premium quality lithium complex base greases having extreme pressure (EP) properties. The product fortified with high base oil viscosity and good thickener provides excellent high temperature performance, bear higher thermal stresses and good water resistance characteristics. The product also offer high lubricity and shear stability because of it's EP characteristics.

PERFORMANCE STANDARDS: IS 14847 – 2000 IPSS 1-09-020-20(Second Revision)

CHARACTERISTICS	POWEROIL GEM LC2
Appearance	Smooth, homogenous, tacky and fluorescent blue
NLGI Grade	2
Thickener Type	Lithium Complex
Worked Penetration @ 25°C, 60 strokes	265-295
Base oil Viscosity at 40°C, cSt	210 - 235
Drop Point , °C	Typical 280°C (Min 250°C)
Dynamic Rust Test (SKF Emscor) in D/W	0,0
Resistance to Water washout, % wt loss	5 max
Oxidation stability at 100°C, for 100 hrs, psi, max	0.6
4 Ball Weld Load, kgf	315 Typical
4 Ball Wear Scar Dia, mm	0.6 max
Oil Separation during storage, % wt loss	5 max
Operating Temperature Range	-20°C to +160°C

The above properties are typical values and do not constitute specification of the product

APPLICATION:

Recommended for both plain and anti-friction bearings in a wide variety of applications such as automotive, earth moving equipments, gear couplings, ball & roller bearing operating under high temperature & shock loads.

PERFORMANCE BENEFITS:

- Excellent shear stability
- High load carrying capacity
- High oxidation stability
- Good anti-rust & anti-corrosion properties