

Balmerol® Olitec LL EP Grease

Long Life Multipurpose EP Grease

Technical Data Sheet

Product Description:

Balmerol Olitec LL EP are multifunctional Lithium based EP grease formulated for lubrication under severe mechanical conditions and for extension of lubrication frequency. Balmerol Olitec LL EP greases significantly reduce wear and coefficient of friction when used in various applications. The greases have good surface adherence and gives excellent protection against rust, corrosion and water washout. It has excellent film strength due to its high quality base oil.

Features & Benefits:

Balmerol Olitec LL EP greases have good load bearing properties which is evident from its high Weld Load value and provides adequate protection to the bearings. Balmerol Olitec LL EP greases additionally provide the following benefits:

- High shear stability, provides better mechanical stability, longer grease and bearing life
- Higher oxidation resistance leading to higher grease life, lower overall grease consumption
- Good resistance to water wash out and better rust protection, ensuring bearing protection and lower unscheduled downtime

Applications / Recommendations:

Balmerol Olitec LL EP greases are recommended for centralized lubrication systems and all types of bearings operating under heavy loads or under excessively wet conditions. They are also recommended for universal joints and spline shafts working under heavy torque or with acute transmission angles or with frequent angle variation and bearings / splines prone to developing fretting corrosion or accelerated wear. Balmerol Olitec LL EP greases can operate from -20 to +130°C.

Balmerol[®] Olitec LL EP Grease

Long Life Multipurpose EP Grease

Technical Data Sheet

Typical Properties:

Balmerol Olitec LL EP					
Properties	Olitec LL EP 00	Olitec LL EP 0	Olitec LL EP 1	Olitec LL EP 2	Olitec LL EP 3
NLGI Grade	00	0	1	2	3
Thickener Type	Lithium	Lithium	Lithium	Lithium	Lithium
Base Oil	Mineral	Mineral	Mineral	Mineral	Mineral
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	400 - 430	355 - 385	310 - 340	265 - 295	220 - 250
Base oil Viscosity, cst @ 40°C, ASTM D 445	220	220	220	220	220
Dropping Point °C, ASTM D 566	175+	175 +	180 +	180 +	180 +
Four Ball Weld Load, Kg, ASTM D 2596	≥ 250	≥ 250	≥ 250	≥ 250	≥ 250
Water Wash Out, % Loss @ 80°C max, ASTM D 1264	8	8	8	5	5
Emcor Rust Protection Test, IP 220	0,0	0,0	0,0	0,0	0,0
Oxidation Stability, Pressure drop kg/cm ² fter 100 hrs @ 99°C max, ASTM D 942	0.5	0.5	0.5	0.5	0.5

Health and Safety:

Balmerol Olitec LL EP greases are not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

Balmer Lawrie & Co. Ltd.
SBU: Greases & Lubricants (G&L) Division
P- 43, Hide Road Extension
Kolkata: 700088
www.balmerlawrie.com