

# Balmerol<sup>®</sup> Liprex EP Grease

## Extreme Pressure Lithium Based Grease

Technical Data Sheet

### Product Description:

Balmerol Liprex EP are Lithium soap based greases containing Extreme Pressure (EP) additives for enhanced load bearing capacity. These greases are formulated with high quality paraffinic base oils and are fortified with balanced Oxidation and Rust Inhibitors. Balmerol Liprex EP greases possess excellent shear stability under heavy duty service, have excellent water tolerance and are adaptable to normal grease dispensing systems including centralized lubrication systems. It meets IS: 7623-1993 (EP Type) and IPSS: 1-09-005 specification.

### Features & Benefits:

Balmerol Liprex EP greases have good load bearing properties and provides adequate protection to the bearings. The other advantages of Balmerol Liprex EP greases are

- Can withstand shock loads which leads to better bearing protection
- Good rust and corrosion protection leading to less bearing failures
- Good pumpability which makes it suitable for centralized lubrication systems

### Applications / Recommendations:

Balmerol Liprex EP greases are designed as multifunctional extreme pressure greases for prevention of wear, during usage at temperatures upto 120°C. Balmerol Liprex EP greases can be used in plain and antifriction bearings operating under high load conditions in various heavy duty industrial applications, steel mills, paper mills, heavy structural construction / fabrication industries, mining and automotive industries. Balmerol Liprex EP greases are also recommended for use in flexible type gear couplings

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### Typical Properties:

Balmerol Liprex EP						
Properties	Liprex EP 000	Liprex EP 00	Liprex EP 0	Liprex EP 1	Liprex EP 2	Liprex EP 3
NLGI Grade	000	00	0	1	2	3
Colour	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
Thickener Type	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium
Base Oil	Mineral	Mineral	Mineral	Mineral	Mineral	Mineral
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	445 - 475	400 - 430	355 - 385	310 - 340	265 - 295	220 - 250
Dropping Point °C, ASTM D 566, minimum	150	150	160	180	180	180
Four Ball Weld Load, Kg, ASTM D 2596	250	250	250	250	250	250
Four Ball Wear Scar Dia, mm, ASTM 2266	0.6	0.6	0.6	0.6	0.6	0.6
Timken OK Load lb, ASTM D 2509	50	50	50	50	50	50
Water Wash Out, % Loss @ 80°C max, ASTM D 1264	-	-	-	8	8	6
Emcor Rust Protection Test, IP 220	0,0	0,0	0,0	0,0	0,0	0,0
Oxidation Stability, Pressure drop kg/ cm <sup>2</sup> fter 100 hrs @ 99°C max, ASTM D 942	0.5	0.5	0.5	0.5	0.5	0.5

### Health and Safety:

Balmerol Liprex 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:

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