

Balmerol[®] Grease Moly Series

Heavy Duty, Multipurpose Greases With Molybdenum Disulfide

Technical Data Sheet

Product Description:

Balmerol Grease Moly Series are solid lubricant containing, multipurpose, Lithium soap grease based on paraffinic mineral oils. They also contain antioxidants, anti corrosion and extreme pressure additives together with Molybdenum Disulfide for enhanced extreme pressure and anti-seize performance. Balmerol Grease Moly Series exhibit good water resistance and excellent adherence to metal surfaces. It meets IS: 12203-1994 specification (Reaffirmed 2004)

Features & Benefits:

Balmerol Grease Moly Series provide the following advantages / benefits:

- Very good EP and anti-wear properties - Provides superior equipment protection under severe operating conditions.
- High amount of Molybdenum Disulphide – Better protection of equipment operating under boundary lubrication condition and sliding mechanisms.
- Good adhesion properties & superior water resistance – Lower grease consumption and better bearing protection.

Applications / Recommendations:

Balmerol Grease Moly Series are suitable for plain bearings and gears in a wide variety of applications. They can also be used in slow speed rolling and angular contact bearings having adequate clearance to take care of solid particles.

Balmerol Grease Moly Series are particularly recommended for use under boundary lubrication conditions, especially where sliding motion or vibrations can cause the grease to squeeze out from the surfaces in contact.

Balmerol Grease Moly Series provide protection against fretting corrosion, typically associated with spline shafts, pivot pins, constant velocity joints, other ball joints and on parts subjected to oscillating and sliding motion. Balmerol Grease Moly Series are generally recommended for all difficult service conditions such as dust, exposure to vapours and rains, recurrence of shock loads.

Balmerol Grease Moly ML can also be dispensed through centralized lubrication systems.

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Typical Properties:

Balmerol Grease Moly			
Properties	Moly ML	Moly XL	Moly LL
Colour	Grey Black	Grey Black	Grey Black
Structure	Smooth	Smooth	Smooth
Thickener Type	Lithium	Lithium	Lithium
MoS ₂ %	3	10	50
Base oil Viscosity, cst @ 40°C, ASTM D 445	150	150	150
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	265 -295	220 -265	200 -250
Dropping Point °C, ASTM D 566	180 minimum	180 minimum	180 minimum
Four Ball Weld Load, Kg, IP 239	200 minimum	250 minimum	315 minimum
Emcor Rust Protection Test, IP 220	0,0	0,0	0,0

Health and Safety:

Balmerol Grease Moly Series 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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