

Balmerol® Licom 3M Grease

Heavy Duty, High Temperature Grease With Molybdenum Disulfide

Technical Data Sheet

Product Description:

Balmerol Licom 3M is a solid lubricant containing, multipurpose, Lithium Complex soap grease based on paraffinic mineral oils. Balmerol Licom 3M also contains antioxidants, anti corrosion and extreme pressure additives together with Molybdenum Disulfide for enhanced extreme pressure and anti-seize performance. Balmerol Licom 3M exhibits good water resistance and excellent adherence to metal surfaces.

Features & Benefits:

Balmerol Licom 3M grease provides the following advantages / benefits:

- Provides superior equipment protection under boundary lubrication conditions
- Can sustain high operating temperatures. Superior performance as compared to conventional and non-soap greases for high temperature applications – Better bearing protection and extended regreasing interval
- Good adhesion properties & superior water resistance – Lower grease consumption and better bearing protection
- Wide operating temperature range: (-) 20°C to (+) 160°C.

Applications / Recommendations:

Balmerol Licom 3M is suitable for plain bearings and gears in a wide variety of applications. It can also be used in slow speed rolling and angular contact bearings having adequate clearance to take care of solid particles.

Balmerol Licom 3M is 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 Licom 3M provides 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 Licom 3M is generally recommended for all difficult service conditions such as dust, exposure to vapours and rains, recurrence of shock loads. Balmerol Licom 3M is ideal for spline shaft of clutch release bearings.

Balmerol Licom 3M can be dispensed through centralized lubrication systems and can also be applied either manually or through grease gun.

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Typical Properties:

Balmerol Licom 3M	
Properties	Licom 3M
NLGI Grade	2
Colour	Grey Black
Texture	Smooth & Homogenous
Thickener Type	Lithium Complex
Base Oil	Mineral
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	265 - 295
Dropping Point °C, ASTM D 566	240 minimum
Four Ball Weld Load, Kg, IP 239	315 minimum
Timken OK Load lbs, ASTM D 2509	45 minimum
Water Wash Out, % Loss @ 80°C max, ASTM D 1264	5 max
Emcor Rust Protection Test, IP 220	0,0
Usable Temperature Range, °C	-20 to +160

Health and Safety:

Balmerol Licom 3M grease is 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