

Balmerol® Liplax HD 4603

High Performance Heavy Duty Lithium Complex Grease

Technical Data Sheet

Product Description:

Balmerol Liplax HD 4603 is a premium, superior performance, tacky, high temperature grease, especially formulated for slow moving heavily loaded bearings working under heavy, shock loads and vibration. Balmerol Liplax HD 4603 is formulated using high viscosity mineral oil, lithium complex soap and synergistic blend of additives best suited for lubrication of slow moving heavy duty bearings found in mining & steel industries. Balmerol Liplax HD 4603 has excellent water repellent properties, resists entry of water into the bearings and ensures protection against hostile environment. The grease retains its consistency under severe conditions of load and water ingress resulting in lower consumption levels. The grease provides excellent high temperature, anti corrosion & anti oxidation performance.

Features & Benefits:

Balmerol Liplax HD 4603 greases have the following advantages / benefits:

- Outstanding Extreme Pressure (EP) performance under heavy load and high temperature conditions, leading to better bearing protection and lower downtime cost
- Excellent water resistance and rust protection, reducing lower bearing failure due to ingress of moisture and rusting
- Excellent mechanical stability and higher tackiness, ensuring the grease adheres to the bearings resulting in lower consumption and better protection of bearings
- High Dropping Point and superior oxidation resistance properties which enables it to be used at higher temperatures without equipment failures
- Lead and Nitrite free, non toxic for the environment

Applications / Recommendations:

Balmerol Liplax HD 4603 may be used for lubrication of heavy duty, slow moving bearings operating under heavy, shock loads and vibration, used in Mining operations and Steel industries.

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Typical Properties:

Balmerol Liplax HD 4603	
Properties	Balmerol Liplax HD 4603
Colour	Yellowish Brown
Thickener Type	Lithium - Complex
Texture	Smooth
Base Oil	Mineral
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	240 - 255
Penetration Change after 100000 strokes, max., ASTM D 217 (Units)	30
Base oil Viscosity, cSt @ 40°C, ASTM D 445	400 - 460
Dropping Point °C, min, ASTM D 2265	250
Four Ball Weld Load, Kg, IP 239	355
Water Wash Out, % Loss @ 80°C max, ASTM D 1264	3
Emcor Rust Protection Test, IP 220	0,0
Oil Separation, % by mass, max, ASTM D 1742	2.5

Health and Safety:

Balmerol Liplax HD 4603 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