

Balmerol® Liplax HD WR 2

Multifunctional High Temperature Grease

Technical Data Sheet

Product Description:

Balmerol Liplax HD WR 2 is multifunctional high temperature grease formulated with a high dropping point lithium complex soap system and synergistic additives for lubrication upto 160°C under normal to heavy loads, however they can withstand intermittent temperatures upto 180°C. The complex thickener enables it to retain its structure even at high temperatures and high loads, thereby reducing leakage as well as enhanced component life with extension of re-lubrication intervals.

Balmerol Liplax HD WR 2 has excellent shear stability and good surface adhesion. It is non-ageing and is highly resistant to cold and hot water, heat, dust, rust, corrosion and oxidation.

Applications / Recommendations:

Balmerol Liplax HD WR 2 is suitable for lubrication of all types of industrial bearings operating under high temperature conditions and heavy loads. It is particularly beneficial in high temperature applications where use of conventional greases calls for frequent re-lubrication in Steel Mills, Paper Plants Cement Plants etc. Typical applications include steel mill roll neck bearing subjected to heavy loads, low to medium speed and water wash out; kiln car rollers, hot air fan bearings, electric motor bearings and clutch release bearings in the metallurgical, ceramic, cement and electrical industry, . It is highly recommended for sleeve ring application sponge iron kilns and coolers.

Balmerol Liplax HD WR 2 is also recommended for various Wheel Bearing applications in passenger vehicles, light commercial vehicles and moderate to heavy duty trucks.

Due to superior load bearing capacity, low coefficient of friction, excellent anti-wear properties and better structural stability, Balmerol Liplax HD WR 2 shows considerably better performance as compared to conventional and non-soap greases for high temperature applications.

Precautions:

Balmerol Liplax HD WR 2 grease is not compatible with sodium based greases. Hence, bearings should be thoroughly cleaned before filling Balmerol Liplax HD WR 2.

Balmerol[®] Lipler HD WR 2

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Typical Properties:

Balmerol Lipler HD WR 2	
Properties	Typical Value
Colour, Visual	Blue
Texture, Visual	Smooth, Homogenous & Tacky
Thickener Type	Lithium Complex
Worked Penetration 60/60 strokes @ 25 ± 0.5 °C, ASTM D 217	270
Dropping Point °C, ASTM D 2265, minimum	280
Four Ball Weld Load, Kg, ASTM D 2596	315
Four Ball Wear Scar Dia, mm, ASTM D 2266	0.46
Copper Strip Corrosion, Rating, ASTM D 4048	1b
Roll Stability, Penetration Change %, ASTM D 1831	8
Water Wash Out, % wt Loss , ASTM D 1264	3

Health and Safety:

Balmerol Lipler HD WR 2 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:

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