

Balmerol® Pyrolube 440

Heavy Duty Steel Mill Grease

Technical Data Sheet

Product Description:

Balmerol Pyrolube 440 is a premium grade high performance brown coloured lubricating grease with complex lithium-calcium thickener and formulated for long term lubrication. This grease is based on a solvent refined high VI mineral oil with a highly shear stable thickening agent, carefully selected synergistic blend of additives best suited to steel mill service.

Features & Benefits:

Balmerol Pyrolube 440 provides the following advantages / benefits:

- Outstanding performance under heavy loads – shock & vibration
- Reliable corrosion protection which extends bearing life
- Outstanding water resistance properties
- Good oxidation stability
- Extended re-lubrication intervals
- Reduce Energy consumption (low co-efficient of friction)
- Excellent pump-ability even at low temperatures
- Wide operating temperature range, (-) 10°C to (+) 120°C.
- It is free of heavy metal content such as Lead and Chlorine

Applications / Recommendations:

- Specially recommended for steel mill roll neck bearing services where heavy loads, medium to high speed and water wash out (cold / hot) exclude the use of conventional greases
- Also strongly recommended for long term lubrication of heavily loaded, medium to fast running heavy duty bearings working under humid environment
- Excellent for other heavy industries such as paper mill, industrial construction, cement works etc. where water resistance and corrosion protection are of primary importance

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Typical Properties:

Balmerol Pyrolube 440	
Properties	Pyrolube 440
Colour	Brown
Appearance	Smooth and Tacky
Thickener type	Lithium - Calcium
Base Oil Type	Mineral
Viscosity, ASTM D 445, cst @ 40°C	460
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	265 - 295
Penetration Change after 100000 strokes, max., ASTM D 217 (Units)	±30
Dropping Point °C, min, ASTM D 566	180
Water wash out @ 79°C, % loss, max. ASTM D 1264	2
Oxidation stability, 100h, psi drop, max., ASTM D 942	5
Timken OK load, kgs, min. ASTM D 2509	55
Four Ball Weld load, kgs, min., IP 239	315

Health and Safety:

Balmerol Pyrolube 440 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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