

Balmerol[®] Synlube SC

Premium Quality High Temperature Synthetic Grease

Technical Data Sheet

Product Description:

Balmerol Synlube SC is a premium grade high temperature specialty grease. The main characteristics of Balmerol Synlube SC are attributed to its specially formulated organic complex thickener in synthetic base oil of high viscosity index coupled with solid lubricants like PTFE. Balmerol Synlube SC is characterized by high dropping point, outstanding oxidation stability, and excellent water repelling properties, mechanical stability, anti-wear & extreme pressure properties and unique reversible characteristics. It retains its consistency under severe conditions of load & water ingress resulting in lower consumption levels.

Features & Benefits:

Balmerol Synlube SC provides the following benefits:

- Excellent Mechanical Stability
- Eliminates scope of formation of abrasive build-up at elevated temperature
- Highly consistent under severe condition of load and water ingress
- Excellent extreme pressure properties & minimized wear on mechanism (low energy consumption).
- Prolonged re-lubrication intervals due to low evaporation loss
- Reliable corrosion protection to prolong life - time of mechanism
- Good pumpability
- Environment friendly

Applications / Recommendations:

- Balmerol Synlube SC has been tailored to meet specific applications in industries and is recommended for use in typical applications over a wide range of temperature. viz, -40 °C to 260 °C with suitable re-lubrication intervals
- It can be used in Concast Bearings, Electrode shaft bearings in Arc Furnace, Furnace door roller bearings, Roller guide bearings and run out rolls in steel plants, Cranes, aerial lifts and hydraulic excavators

Balmerol® Synlube SC

Premium Quality High Temperature Synthetic Grease

Technical Data Sheet

- It is also recommended for hot electric motor, ID, FD & PA fans and drying section bearings in paper and plastic production equipment. It is also suitable for long life lubrication of bearings exposed to slightly acidic conditions

Typical Properties:

Balmerol Synlube SC	
Properties	Synlube SC
Colour	Grey
Appearance	Smooth and Tacky
Thickener type	Non - Conventional organic base
Base Oil Type	Synthetic
Kinematic Viscosity @ 40°C, ASTM D 445, cst	160 - 200
Viscosity Index, ASTM D 2270	145
Flash Point, (COC), °C, ASTM D 92	240
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	294
Penetration Change after 100000 strokes, max., ASTM D 217 (Units)	± 25
Dropping Point °C, min, ASTM D 566	320
Water wash out @ 80°C, % loss, max. ASTM D 1264	3.0
Timken OK load, lbs, min. ASTM D 2509	45
Four Ball Weld load, kgs, min., IP 239	450
Emcor Rust test rating, IP -220	0,0

Health and Safety:

Balmerol Synlube SC 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