

# Balmerol® Grease DCCS 40

## High Temperature Synthetic Grease

Technical Data Sheet

### Product Description:

Balmerol Grease DCCS 40 is a premium grade, high temperature specialty grease. The main characteristics of Balmerol Grease DCCS 40 are attributed to its especially formulated organic base polymeric thickener in high viscosity index synthetic base oil. Balmerol Grease DCCS 40 is characterized by high dropping point, outstanding oxidation stability, excellent water repelling properties, mechanical stability, antiwear & extreme pressure properties and unique reversible characteristics. Balmerol Grease DCCS 40 retains its consistency under severe conditions of load & water ingress resulting in lower consumption levels.

### Features & Benefits:

Balmerol Grease DCCS 40 provides the following benefits:

- Excellent Mechanical Stability.
- Eliminates scope of formation of abrasive build-up at elevated temperatures
- 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 Grease DCCS 40 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.

- CONCAST bearings
- Electrode shaft bearings in Arc Furnace
- Furnace door roller bearings
- Roller guide bearings and run out coils in steel plants

It is also recommended for hot Electric Motor, ID, FD & PA fans and drying section bearing in paper and plastic production equipment. Balmerol Grease DCCS 40 is also suitable for long life lubrication of bearing exposed to slightly acidic conditions.

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### Typical Properties:

Balmerol Grease DCCS 40	
Properties	Grease DCCS 40
Appearance	Smooth, Tacky
Thickener Type	Non Conventional Organic Base
Base Oil	Synthetic
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	295 - 340
Change in penetration after 100,000X, strokes at 25 °C, max ASTM D 217	± 20 units max
NLGI	2/1 to 1
Dropping Point °C, ASTM D 566	300 +
Four Ball Weld Load, Kg, IP 239	500
Timken OK Load, lbs, ASTM D 2509	45
Water washout at 80° C weight loss, % max, ASTM D 1264	1
Emcor Rust Protection Test, IP 220	0,0
Pressure Oil Separation test, %, ASTM D 1742	Nil

### Health and Safety:

Balmerol Grease DCCS 40 greases are 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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