

Balmerol[®] CCSM HT

Specially Formulated Premium Performance Grease

Technical Data Sheet

Product Description:

Balmerol CCSM HT is a premium grade high temperature speciality grease. The main characteristics of this grease are attributed to its specially formulated organic base polymeric thickener in semi-synthetic base oil of high viscosity index. Balmerol CCSM HT 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. Balmerol CCSM HT retains its consistency under severe conditions of load & water ingress resulting in lower consumption levels. It is additionally fortified with solid lubricants to provide superior performance at high temperature and under shock load condition.

Features & Benefits:

Balmerol CCSM HT provides the following benefits:

- Excellent performance under severe condition of load, water ingress and high temperature
- Reliable corrosion protection in wet condition which extends component life
- Excellent extreme pressure properties & minimised wear on mechanism (low energy consumption)
- Prolonged re-lubrication intervals
- Wide operating temperature range, (-) 12°C to (+) 180°C.
- Environment friendly

Applications / Recommendations:

- Recommended for use in typical applications in industries over a wide range of temperature
- CONCAST Bearings
- Electrode shaft bearings in Arc Furnace
- Furnace door roller bearings
- Roller guide bearings and run out coils in steel plants
- Also recommended for hot electric motor, ID, FD & PA fans and drying section bearing in paper and plastic production equipment
- Most suitable for long life lubrication of bearing exposed to slightly acidic conditions

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Typical Properties:

Balmerol CCSM HT	
Properties	CCSM HT
Colour	Black
Appearance	Smooth, Tacky
Thickener type	Non-Conventional Organic Base
Base Oil Type	Semi-Synthetic
Base Oil Viscosity, cSt @ 40°C, ASTM D 445	ISO VG 320
NLGI Grade	2/1 to 1
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	295 - 340
Penetration Change after 100000 strokes, max., ASTM D 217 (Units)	± 20
Dropping Point °C, min, ASTM D 2265	320+
Water wash out @ 80°C, % loss, max. ASTM D 1264	1.0
Rust test rating, IP -220	0,0
Four Ball Wear test, Scar Dia-in mm @ 1450 rpm, 70°C, 1 hr,max, ASTM D 2266	0.60
Four Ball Weld load, kgs, min., ASTM D 2596	500
Pressure Oil separation test, ASTM D 1742	Nil

Health and Safety:

Balmerol CCSM HT 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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