

# Balmerol® Rollmach HV 2

## Heavy Duty Bearing Grease

Technical Data Sheet

### Product Description:

Balmerol Rollmach HV 2 is a premium grade high performance grease based on lithium-calcium soap and high viscosity mineral base oil and designed for the lubrication of industrial bearing subjected to heavy shock loads, vibration and damp conditions. Balmerol Rollmach HV 2 is based on solvent refined high VI mineral oil and a shear stable thickener system. It is further fortified with solid lubricants and synergistic blend of additives to enhance lubricity, load carrying capacity / anti wear characteristics and adhesion.

### Features & Benefits:

Balmerol Rollmach HV 2 provides the following benefits:

- Excellent mechanical stability
- Superior water resistance
- Very good corrosion resistance in wet condition
- Good adhesion properties
- Outstanding extreme pressure performance under high loads & slow rotations

### Applications / Recommendations:

- Balmerol Rollmach HV 2 is specially designed for lubrication of large sized roller bearings operating under high loads and low speeds.
- Balmerol Rollmach HV 2 is recommended for steel mill lubrication of heavily loaded low to medium running heavy duty roller bearings working under humid environment.
- Balmerol Rollmach HV 2 may also be recommended for other heavy industries such as paper mill, construction, cement etc.- high pressure roller bearings, bucket wheel excavators, support & thrust rollers on rotary kilns & dryers, etc.

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### Typical Properties:

Balmerol Rollmach HV 2	
Properties	Rollmach HV 2
Colour	Black
Appearance	Smooth & Homogenous
Thickener type	Lithium - Calcium
Base Oil Type	Mineral
Viscosity, ASTM D 445, cSt @ 40°C	950 - 1100
NLGI Grade	2
Worked Penetration 60/60 strokes at 25°C, 1/10 mm, ASTM D 217	280
Penetration Change after 100000 strokes, max., 1/10 mm, ASTM D 217	304
Roll Stability, 96 hrs, 82°C, penetration change, 1/10 mm	45
Dropping Point °C, min, ASTM D 566	188
Water wash out @ 79°C, % loss, max. ASTM D 1264	2.5
Four Ball Weld load, kgs, ASTM 2596	315
Four Ball Wear test, Scar diameter, mm, ASTM D 2266	0.45
Copper Strip corrosion@ 100° C, 24 hrs, max. ASTM D 4048	1
Oil separation @ 40°C, 7 days, %, ASTM D 1742	2.5
SKF Emcor Rust Test, Rating, IP 220	
Distilled water	0,0
Salt Water	0,0
Operating range, °C	-10° to + 120°

### Health and Safety:

Balmerol Rollmach HV 2 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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