

# **Balmerol® CVJ Grease**

## **Heavy Duty Constant Velocity Joint Grease**

Technical Data Sheet

### **Product Description:**

Balmerol CVJ Grease is a premium quality grease specially developed for the lubrication of bearings of all types of Constant Velocity Joints used in cars, light and medium duty commercial vehicles. It is based on a highly thermally stable Lithium Complex soap thickener and highly refined oxidation resistant mineral base fluid. It is fortified with superior quality rust and oxidation inhibitor additives. It contains special friction modifier additive system to provide excellent friction reduction and resistance to fretting corrosion. It also contains solid lubricants to provide extreme pressure properties.

### **Features & Benefits:**

Balmerol CVJ Grease provides the following benefits:

- Highly refined paraffinic base fluid offers excellent inherent oxidation stability
- Thermally stable Lithium Complex soap thickener attributes high temperature stability
- Superior rust and oxidation inhibitor additives offer excellent rust and oxidation protection
- Special type of thermally stable friction modifier additive system provides very low coefficient of friction, hence excellent wear protection
- Solid lubricant offers extreme pressure properties
- Compatibility with common elastomer materials used in boots of constant velocity joints
- Wider operating temperature range from – 20 °C to + 180 °C

### **Applications / Recommendations:**

- All front-wheel drive cars have Constant Velocity joints or CV joints on both ends of the drive shafts (half shafts). The CV joints are needed to transfer the torque from the transmission to the drive wheels at a constant speed, while accommodating the up-and-down motion of the suspension. Balmerol CVJ Grease is state-of-the-art high performance grease meets the typical requirement CV joint.

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### Typical Properties:

Balmerol CVJ Grease	
Properties	CVJ Grease
NLGI Grade	2
Appearance	Smooth, black & buttery
Thickener Type	Lithium Complex
Base Oil Type	Mineral
Extracted base oil viscosity @ 40 °C, cSt, ASTM D 445	122
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	265 - 295
Penetration Change after 100000 strokes, max., 1/10 mm, ASTM D 217	± 30
Oxidation Stability, Pressure drop, psi, after 100 hrs @ 99°C max, ASTM D 942	5
Dropping Point °C, ASTM D 566	> 240
Water Wash Out, % Loss @ 80°C max, ASTM D 1264	2
Coefficient of friction by SRV Contact- Point contact Mode – 3ae; Load – 200N Temperature- 50 °C; Amplitude- 1.00 mm Frequency- 50Hz; Time- 2 hrs	Passes with smooth run
Four Ball Weld Load, Kg, IP 239	280
Four Ball Wear Scar Dia, mm, max, ASTM 2266	0.60

### Health and Safety:

Balmerol CVJ 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:

**Balmer Lawrie & Co. Ltd.**  
SBU: Greases & Lubricants (G&L) Division  
P- 43, Hide Road Extension  
Kolkata: 700088  
www.balmerlawrie.com