

# **Balmerol<sup>®</sup> HDAW Grease**

## **Extreme Pressure Lithium Based Grease**

Technical Data Sheet

### **Product Description:**

Balmerol HDAW Grease is Lithium soap based grease containing Extreme Pressure (EP) additives for enhanced load bearing capacity. These grease is formulated with high quality paraffinic base oils and are fortified with balanced Oxidation and Rust Inhibitors. Balmerol HDAW Grease possess excellent shear stability under heavy duty service, have excellent water tolerance and are adaptable to normal grease dispensing systems including centralized lubrication systems. It meets IS: 7623-1993 (EP Type) and IPSS: 1-09-005 specification.

### **Features & Benefits:**

Balmerol HDAW Grease has good load bearing properties and provides adequate protection to the bearings. The other advantages of Balmerol HDAW Grease are

- Can withstand shock loads which leads to better bearing protection
- Good rust and corrosion protection leading to less bearing failures
- Good pumpability which makes it suitable for centralized lubrication systems

### **Applications / Recommendations:**

Balmerol HDAW Grease is designed as multifunctional extreme pressure grease for prevention of wear, during usage at temperatures upto 120°C. Balmerol HDAW Grease is recommended for multipurpose automotive applications such as wheel bearings, chassis points, as well as for industrial applications like water pump bearings, machine tools, grease lubricated gears, couplings and universal joints

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### Typical Properties:

Balmerol HDAW Grease	
Properties	HDAW Grease
NLGI Grade	2
Colour	Dark Brown
Thickener Type	Lithium Hydroxystearate
Base Oil	Mineral
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	265 - 295
Dropping Point °C, ASTM D 566, minimum	180
Four Ball Weld Load, Kg, ASTM D 2596	250
Four Ball Wear Scar Dia, mm, ASTM 2266	0.6
Timken OK Load lb, ASTM D 2509	50
Water Wash Out, % Loss @ 80°C max, ASTM D 1264	8
Emcor Rust Protection Test, IP 220	0,0
Oxidation Stability, Pressure drop kg/cm <sup>2</sup> after 100 hrs @ 99°C max, ASTM D 942	0.5

### Health and Safety:

Balmerol HDAW 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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