

# Balmerol<sup>®</sup> Maxilife Grease

## High Performance Grease for Automotive Application

Technical Data Sheet

### Product Description:

Balmerol Maxilife Grease is a superior quality lithium base grease having excellent thermal and structural stability along with excellent resistance to water. The combination of high quality base stock with synergistic blend of antioxidants, rust inhibitors and water resistance additives make the greases suited to a wide range of usage areas.

### Features & Benefits:

Balmerol Maxilife Grease provides the following benefits:

- Excellent performance even when subjected to extremely heavy shear
- Ability to withstand water without adverse effect
- Excellent thermal stability
- Reduced re-lubrication requirements
- Contains corrosion inhibitors, anti-wear and water resistant additives for extra protection

### Applications / Recommendations:

- Balmerol Maxilife Grease is recommended for multipurpose automotive applications such as wheel bearings, chassis points, water pump bearings, machine tools as well as grease lubricated gears, couplings and universal joints.
- Balmerol Maxilife Grease is recommended for wheel bearings due to its excellent water resistance and shear stability.

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## Typical Properties:

Balmerol Maxilife Grease	
Properties	Maxilife Grease
Colour	Light Yellow
Appearance	Smooth & Tacky
Structure	Homogenous
Thickener type	Lithium
Base Oil Viscosity, cst @ 40°C, ASTM D 445	96.30
Base Oil Viscosity, cst @ 100°C, ASTM D 445	11.52
Viscosity Index, min, ASTM D 2270	108
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	248
Penetration Change after 100000 strokes, max., ASTM D 217 (Units)	± 14
Dropping Point °C, min, ASTM D 566	202
Water wash out @ 80°C, % loss, max. ASTM D 1264	1.07
Four Ball Weld load, kgs, IP 239	180
Heat Stability @ 120 °C, 6 hrs, IS 1448 Part 62	No change in grease structure, no oil separation
Oil Separation @ 100 °C, 30 hr, IS 1448 Part 89	Nil
Dynamic Emcor rust test, IP 220	0,0
Wheel Bearing test: ASTM D 1263	
a) Leakage in gms	Nil
b) Deposits in wheel bearing races or rollers	Free from deposits
c) Evidence of abnormal change in consistency or structure of the material	No change
d) Indication of dry running races	No dry running
Oxidation stability, Kg/Cm <sup>2</sup> , ASTM D 942	0.30
Copper Strip corrosion@ 100° C, 24 hrs, max. ASTM D 4048	1a
Roll Stability, 16 hrs, Penetration after test % Change in consistency, ASTM D 1831	10.0



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### Health and Safety:

Balmerol Maxilife 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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