

Balmerol® Omnicom 3M

High Temperature Extreme Pressure Grease for Vibrating Screen

Technical Data Sheet

Product Description:

Balmerol Omnicom 3M is a premium high temperature grease based on Lithium Complex soap thickener containing high viscosity index mineral base oil. Balmerol Omnicom 3M is fortified with extreme pressure, anti-wear, anti-oxidant and rust inhibitor additives. This grease also contains solid lubricant to withstand heavy and shock load situations.

Features & Benefits:

Balmerol Omnicom 3M provides the following benefits:

- High operating temperature
- Provides very good tackiness & excellent film strength
- Excellent performance under heavy vibratory loads as encountered in exciters of vibratory screens
- Superior corrosion & wear protection which extends component life
- Shear stable & resistance to water wash out
- Extended re-lubrication intervals
- Wide operating temperature range, 0 °C to 180 °C. continuous and intermittent temperature rise upto 200 °C

Balmerol Omnicom 3M carries ICIL (International Combustion India Limited) approval for Vibratory Screens.

Applications / Recommendations:

- Industrial bearings operating at elevated temperatures
- Industrial machineries where heavy, shock and vibratory loading situations are encountered
- Specially suited for the bearings used in inclined exciters of vibratory screens

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Typical Properties:

Balmerol Omnicom 3M	
Properties	Omnicom 3M
Colour	Black
Appearance	Smooth and Tacky
Thickener type	Lithium Complex
Base Oil Type	Mineral (HVI)
Solid Lubricant	MoS ₂
Base Oil Kinematic Viscosity, ASTM D 445, cst @ 40°C	160
Base Oil Viscosity Index, min, ASTM D 2270	90
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	265 - 295
Dropping Point °C, min, ASTM D 566	260
Four Ball Weld load, kgs, min., IP 239	400
Four Ball Wear test, Scar Dia-in mm @ 1200 rpm, 75°C, 1 hr, and 40 Kg Load, ASTM D 2266	0.5
Rust Prevention Characteristics, ASTM D 1743	Pass
Oxidation stability, 100h, 99 °C, psi drop, max., ASTM D 942	6

Health and Safety:

Balmerol Omnicom 3M 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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