

Balmerol[®] Graphite Grease

Calcium Based Graphite Grease for Industrial Application

Technical Data Sheet

Product Description:

Balmerol Graphite Greases are premium quality calcium soap greases fortified with micronised graphite powdered to give excellent lubrication in sliding friction conditions. Balmerol Graphite Greases are highly resistant to water and have good mechanical stability.

Features & Benefits:

Balmerol Graphite Grease provides the following benefits:

- High water resistance characteristic and sealing property
- Superior load carrying capability
- Exhibit excellent adhesiveness
- Excellent mechanical stability

Applications / Recommendations:

- Balmerol Graphite Greases are recommended for use in gears, cams and slides operating at temperature ambient to 80°C
- Balmerol Graphite Greases are recommended for use in hydraulic rams, plungers, slides, elevator cables, leaf springs, life guides, pantograph pans, etc
- Selected grades of Balmerol Graphite Greases can be used in slow speed ball/ roller bearings as well as flanges in Railways network
- Balmerol Graphite Greases are highly recommended for flexible couplings in paper mill equipment such as digestors, chip screen, chippers, conveyors etc. where incidental water contact is high

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Typical Properties:

Balmerol Graphite Grease			
Properties	Graphite Grease No. 1	Graphite Grease No. 2	Graphite Grease No. 5
Colour	Black	Black	Black
Structure	Smooth	Smooth	Smooth
Thickener type	Calcium	Calcium	Calcium
Base Oil Type	Mineral	Mineral	Mineral
Kinematic Viscosity of base oil @ 40°C, ASTM D 445, cst	68	75	100
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	310 - 340	265 - 295	190 - 250
Dropping Point °C, min, ASTM D 566	95	95	100
Water content , % by wt, IS 1448 : P40, min	0.4	1.5	1.5
Copper Strip corrosion@ 100° C, 24 hrs, ASTM D 4048	Negative	Negative	Negative
Graphite content, % by wt, IS 1448: P58, min	6	45	45
Free acidity (as oleic acid), % by mass, ASTM D 128, min	0.2	0.5	0.5
Free alkalinity(as Calcium Hydroxide), % by mass, ASTM D 128, min	0.05	0.1	0.1

Health and Safety:

Balmerol Graphite Greases are 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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