

Balmerol[®] Licom Grease

Multifunctional High Temperature Grease

Technical Data Sheet

Product Description:

Balmerol Licom are multi-functional high temperature greases, formulated with a high dropping point lithium complex thickener and especially developed synergistic additives for lubrication up to 160°C under normal to heavy loads. The complex soap incorporated in the greases enable them to retain their structure even at high temperatures and loads. Balmerol Licom greases have excellent shear stability and good surface adhesion. They are non-ageing and are highly resistant to cold and hot water, heat, dust, rust, corrosion and oxidation.

Features & Benefits:

Balmerol Licom greases provide the following advantages / benefits:

- Provides superior equipment protection under heavy and shock loads
- Can sustain high operating temperatures. Superior performance as compared to conventional and non-soap greases for high temperature applications – Better bearing protection and extended regreasing interval
- Reliable corrosion protection in wet condition which extends equipment life
- Good adhesion properties & superior water resistance – Lower grease consumption and better bearing protection
- Reduces Energy consumption (low co-efficient of friction)
- Wide operating temperature range: 0°C to (+) 160°C.

Applications / Recommendations:

Suitable for lubrication of all types of industrial bearings operating under higher than ambient temperature conditions under heavy loads. Typical applications include kiln car rollers, hot air fan bearings, electric motor bearings and clutch release bearings in the metallurgical, ceramic, cement and electrical industry.

Balmerol Licom 0/ 1 can be used for Centralized Lubrication Systems

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Typical Properties:

Balmerol Licom				
Properties	Licom 0	Licom 1	Licom 2	Licom 3
NLGI Grade	0	1	2	3
Colour	Greenish to Brownish	Greenish to Brownish	Greenish to Brownish	Greenish to Brownish
Thickener Type	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
Base Oil	Mineral	Mineral	Mineral	Mineral
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	355 - 385	310 - 340	265 - 295	220 - 250
Base oil Viscosity, cst @ 40°C, ASTM D 445	220	220	220	220
Dropping Point °C, ASTM D 566	230 +	240 +	260 +	260 +
Four Ball Weld Load, Kg, IP 239	280	280	315	315
Four Ball Wear Scar Dia, mm, ASTM 2266	0.5 max	0.5 max	0.5 max	0.5 max
Timken OK Load Kg, ASTM D 2509	23	23	23	23
Water Wash Out, % Loss @ 80°C max, ASTM D 1264	-		< 5	< 5
Emcor Rust Protection Test, IP 220	0,0	0,0	0,0	0,0
Oxidation Stability, Pressure drop kg/cm ² fter 100 hrs @ 99°C max, ASTM D 942	0.5	0.5	0.5	0.5

Health and Safety:

Balmerol Licom 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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