



Li-Plex Grease

High Performance Lithium Complex Wheel Bearing Grease

Technical Data Sheet

Product Description:

Muxxol Li-Plex is high performance long-life grease specifically designed for use in all kinds of wheel bearings in commercial and also operating in tough conditions as encountered in India. It is manufactured using high quality petroleum base stock, thickened with a highly shear stable complex soap base and fortified with a synergistic combination of additives to provide good thermal, mechanical and oxidative stability during service.

Features & Benefits:

Muxxol Li-Plex provides the following advantages / benefits:

- Due to its high drop point it offers excellent thermal stability and can withstand the temperature rise during severe braking and also frequent stop and go situations
- It has excellent mechanical stability and is therefore suitable for extended period of lubrication
- It has excellent oxidative stability and corrosion inhibiting property to provide long life performance due to the presence of unique additive combination
- Due to its higher base oil viscosity it offers enhanced film strength
- It possess good mechanical stability even in the presence of water

Applications / Recommendations:

Muxxol Li-Plex is ideal for the long life lubrication of wheel bearings of Industrial Machines & Automotive vehicles. It is specially designed as an ultra long life grease for various types of challenging operations.

- **India office:** Plot No.S3 & S4, TSIIIC, Autonagar, Hyderabad – 500070.
- For further information please email us on info@muxx.in



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Typical Properties:

Muxsol Li-Plex	
Properties	Li-Plex Grease
Colour & Appearance	Red coloured, smooth, free from lumps
Thickener Type	Modified Lithium Complex
Base Oil	Mineral
Worked Penetration 60/60 strokes at 25°C, ASTM D 217	240 -260
Change in penetration after 100,000X, strokes at 25 °C, max ASTM D 217	± 30 units from 60 X
NLGI	2/3
Base oil Viscosity, cst @ 40°C, ASTM D 445	180 -220
Dropping Point °C, ASTM D 566	220 +
Four Ball Weld Load, Kg, IP 239	280 minimum
Roll stability at 82° C for 96 hrs, change in penetration, % max , ASTM D 1831 (Modified)	25
Water washout at 79° C weight loss, % max, ASTM D 1264	3
Wheel bearing test for 6 hrs, leakage gms , max ASTM D 1263	5
Heat stability at 100° C/ 30 hrs, % loss max, ASTM D 6184	3
Oxidation stability at 100° C, Pressure drop after 100 hrs, psi max, ASTM D 942	5
Emcor Rust ProtectionTest, IP 220	0,0

Health and Safety:

Muxsol Li-Plex 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.

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