



EMIRATES 1 LITHIUM COMPLEX GREASE

(High Temperature- Lithium Complex Grease)

DESCRIPTION & APPLICATIONS

EMIRATES 1 LITHIUM COMPLEX GREASEs - 1/ 2/ 3 is a series of high quality, lithium complex grease having high water tolerance and mechanical stability, combined with excellent high temperature performance. These are ideally suited for application by centralized grease systems due to good resistance to oil separation under pressure mechanical stability.

EMIRATES 1 LITHIUM COMPLEX GREASEs - 1/ 2/ 3 provide excellent performance in anti-friction bearings and much longer life compared to Sodium or Lithium soap base greases. It is recommended for wheel bearings, earth moving equipment, gear couplings, electric motors and general industrial machinery. These greases are widely used in Steel Plants, Mining and Engineering Industry.

PRODUCT BENEFITS

- **Long service life**
- **Good shear stability and resistance to vibration**
- **High temperature grease**
- **Low friction torque.**
- **Good pump ability.**
- **Resistant to wash -off by water**

TYPICAL TECHNICAL PROPERTIES

Thickener Type	Lithium	Lithium	Lithium
NLGI Classification	1	2	3
Texture	Smooth	Smooth	Smooth
Dropping Point °C, ASTM D 566	270	270	270
Worked Penetration @25°C 60 strokes, ASTM D 217	310/340	265/295	220/250
Wheel Bearing leakage after 6hrs @ 110°C gms, ASTM D 1263	<2	<2	<2
Water washout resistance %wt, ASTM D 1264	< 5	< 5	< 5
Copper Strip Corrosion for 24hrs @100°C, ASTM D 4048	-ve	-ve	-ve

EMIRATES 1 WHEEL BEARING GREASE

(Sodium Base Grease)

DESCRIPTION & APPLICATIONS

EMIRATES 1 WHEEL BEARING GREASE is Sodium -based grease specially developed for the lubrication of automotive wheel bearings over a wide range of temperature. It is particularly suitable where high bearing temperature occur on breaking from high speeds. These have excellent mechanical stability and high dropping point.

PRODUCT BENEFITS

- **Long service life.**
- **Good pump ability**
- **Excellent mechanical stability and high dropping**
- **Good shear -stability and resistance to vibration.**

TYPICAL TECHNICAL PROPERTIES

Thickener Type	Sodium
NLGI Classification	3
Texture	Smooth , Homogenous
Color, Visual	Dark Brown
Dropping Point °C, ASTM D 566	200
Worked Penetration @25°C 60 strokes, ASTM D 217	220/250
Copper Strip Corrosion for 24hrs @100°C, ASTM D 4048	-ve

Note: The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional queries, please contact Emirates 1 Technical Service Department.

Health and Safety: Based on available information, this product 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). Safety Data Sheets available on request.

Available Pack: 400 g/500 g/1 kg/15 kg/180 kg

