



Product Data

Spheerol™ EPLX 200-2

High Performance Lithium Complex Grease

Description

Spheerol™ EPLX 200-2 is a multi-purpose high-performance greases based on mineral oil and a lithium-complex soap. It is formulated to provide excellent high-temperature lubrication performance.

It possesses EP load-carrying properties and contain additives selected to enhance oxidation, corrosion and wear resistance.

Application

Spheerol EPLX 200-2 grease is formulated for use in grease-lubricated plain or rolling bearings operating at temperatures from -20 to 150 °C.

It may also be used for short periods at temperatures of up to 180 °C in bearings designed to operate under such conditions. In such cases, the frequency of re-lubrication should be increased; operators should contact equipment manufacturers for guidance.

Examples of applications include various types of general industrial machinery, electric motors and machine tools, as well as applications involving higher temperatures - such as papermaking machinery or bearings of ventilation machinery and oven fans. Spheerol EPLX 200-2 grease is also suited for bearing lubrication under highly loaded and vibratory conditions - such as in steel mills, railway axle-boxes and construction equipment. The long service-life potential of the Spheerol EPLX 200-2 grease at temperatures over 100 °C makes it ideally suited to machines in which poor accessibility makes frequent regreasing difficult

Advantages

- High operating temperature capability
- Suitable for highly loaded and vibratory working conditions
- Maximum equipment protection
- Long service life
- Excellent anti-corrosion properties
- Very adhesive to surfaces

Typical Characteristics

Name	Method	Units	EPLX 200-2
Thickener type	-	-	Lithium Complex
Base oil type	-	-	Mineral
Consistency NLGI Grade	ASTM D217	-	2
Colour	Visual	-	Amber to Brown
Dropping point	IP396	°C	240 min
Base oil viscosity @ 40°C	ASTM D445	mm²/s	180 - 220
Worked penetration 60 strokes @ 25°C	ASTM D217	0.1 mm	265 - 295
Working stability 60/100,000 strokes @ 25°C	ASTM D217	0.1 mm	30 max
Copper corrosion, 24 hours @ 100°C	ASTM D4048	Rating	1b max
Oil separation, 168 hours @ 40°C	IP121/DIN 51817	%	5 max
4 ball weld point	ASTM D2596	Kg	250 min
Flow pressure @ -20°C	DIN 51805	hPa	< 1400
Oxidation stability 100h @ 100°C	ASTM D942	bar	0.2 max

Subject to usual manufacturing conditions.

Spheerol™ EPLX 200-2

09 Dec 2015

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

<http://msdspds.castrol.com>