



Product Data

Castrol Spheerol EPLX 200 Range

High Performance Lithium Complex Grease

Description

Spheerol™ EPLX 200-1 and 2 are multi-purpose high-performance greases based on mineral oil and a lithium-complex soap; they are formulated to provide excellent high-temperature lubrication performance. They possess EP load-carrying properties, and contain additives selected to enhance oxidation, corrosion and wear resistance.

Application

Spheerol EPLX 200 greases are formulated for use in grease-lubricated plain or rolling bearings operating at temperatures from -30 to 150 °C. They 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 all 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 greases are 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 Range 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	200-1	200-2
Thickener type	-	-	Lithium complex	Lithium complex
Consistency	ISO 2137/ASTM D217	NLGI Grade	1	2
Texture	-	-	Smooth & homogeneous	Smooth & homogeneous
Colour	Visual	-	Brown	Brown
Dropping point	IP 396/ASTM D566	°C/°F	>260/>500	>240/>460
Base Oil Viscosity @ 40 °C/104 °F	ISO 3104/ASTM D445	mm²/s	180-220	180-220
Worked Penetration (60 strokes @ 25 °C/77 °F)	ISO 2137/ASTM D217	0.1 mm	310 - 340	265 - 295
Worked Penetration (100,000 strokes @ 25 °C/77 °F) - change from 60 strokes	ISO 2137/ASTM D217	0.1 mm	30 max	30 max
Oil Separation (168 hrs @ 40 °C/104 °F)	IP 121/DIN 51817	%wt	6 max	5 max
Rust Test - EMCOR (distilled water)	ISO 11007/ASTM D6138	Rating	0/1 max	0/1 max
Copper Corrosion (24 hrs, 100 °C/212 °F)	DIN 51811/ASTM D4048	Rating	1b max	1b max
Oxidation Stability (100 hrs @ 100°C/212 °F)	ASTM D942	bar	0.7	0.2
Four Ball Wear test - Weld Load	ASTM D2596	Kg	250 min	250 min
Flow pressure @ -30 °C/-7.6 °F	DIN 51805	hPa	<1400	<1400

Subject to usual manufacturing conditions.

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

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