

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	mm ² /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.

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