



Spheerol™ EPLX-M 2

Lithium Complex Grease Containing MoS₂

Description

Spheerol™ EPLX-M2 is a lithium complex, extreme pressure grease intended for a wide range of applications. It is based on high quality mineral oil and is formulated to provide excellent high temperature performance, with good adhesion, structural stability and resistance to water. This grease has a high level of chemical stability and offers excellent protection against rust and corrosion. It contains molybdenum disulfide to provide added wear protection of sliding components and chassis parts. The maximum operating temperature range is -30°C to +175°C with appropriate relubrication intervals. Spheerol EPLX-M 2 does not contain lead, chlorine or nitrites.

Application

Spheerol EPLX-M 2 is recommended for moderate speed paper/steel mill bearings and construction and mining equipment. It is a NLGI 2 grease formulated with an ISO VG 320 oil and is fortified with 5% molybdenum disulphide to provide added wear protection of sliding components and chassis parts.

Advantages

Spheerol EPLX-M 2 offers the following benefits:

- Reduced downtime and maintenance costs because of outstanding protection against wear, rust and corrosion
- Extended service life in high temperature applications
- Excellent resistance to water wash-out and contamination

Typical Characteristics

Name	Method	Units	Spheerol EPLX-M 2
Thickener type	-	-	Lithium Complex
Base oil type	-	-	Mineral
NLGI grade	ASTM D217	-	2
Colour	Visual	-	Dark grey/black
Dropping point	IP396	°C	260 min
Base oil viscosity @ 40°C	ASTM D445	mm ² /s	300-340
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	25 max
Oil separation, 168 hours @ 40°C (%)	IP121/ DIN 51817	%wt	5 max
Anti Rust Performance (Emcor)	IP220	Rating	0/0 max
Copper corrosion, 24 hours @ 100°C	ASTM D4048	Rating	1b max
Water washout, 1 hour @ 79°C	ASTM D1264	%	10 max
4 ball weld point	ASTM D2596	Kg	250 min
Roll stability, 50 hours @ 80°C	ASTM D1831	0.1 mm	55 max

Subject to usual manufacturing tolerances.

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Castrol Australia Pty Limited - ABN 87 008 459 407 – 717 Bourke Street, Docklands Vic 3008
 Technical Advice Line: 1300 557 998 Customer Service: 1300 722 088
<http://msdspd.castrol.com>