TECHNICAL INFORMATION

ULTRAPLEX LTM 1500/1

HIGH PERFORMANCE HEAVY DUTY GREASE

DESCRIPTION

Grease of high viscosity base oil, special lithium soap, **EP** (Extreme Pressure) additives and solid lubricants (graphite and molybdenum disulphide).

APPLICATIONS

Specially indicated for the lubrication of roller bearings working under high loads, shocks, vibrations and low speeds, which require grease with high viscosity base oil and outstanding load carrying capacity. Typically these heavy duty conditions are accompanied with dusty and abrasive environment, where it is required a high sealing capacity of the grease.

These conditions are found in crushers, mills and roller presses in ore, steel and cement industries.

PROPERTIES

- Very high load carrying capacity avoids premature and unforeseen failure of bearings in critical machines for the production process.
- High content in solid lubricants provides emergency lubrication.
- The special composition and manufacturing process assure a high mechanical stability, in the presence of aggressive factors such as moisture and water vapors.
- Speed factor ndm up to 100.000.
- High resistance to aging.
- High protection to the corrosion of the metallic parts.
- High resistance to water

QUALITY LEVEL:

- ISO – L – XAGHB 1

TECHNICAL CHARACTERISTICS

	Units	Typical values	Method
Appearance	-	Black grease	-
Penetration at 25°C - At 60 strokes At 10,000 strokes	mm x 10^{-1}	321 361	ASTM D 217
Consistency NLGI	-	1	ISO 2137
Dropping point	ºC	240	ASTM D 566
Base oil viscosity 40 ºC	mm^2/s	1500	ASTM D 445
Base oil viscosity 100 ºC	mm^2/s	81	ASTM D 445
4 ball test – wear scar, 40 Kg, 75ºC, 1 hour	mm	0,55	ASTM D 2266
Welding load – 4 ball test	kg	500	ASTM D 2596
Copper corrosion – 24h a 100ºC	-	1b	ASTM D 4048
Bearing corrosion	-	0	ASTM D-1743
Oil separation – 24h a 100ºC	%	2,95	ASTM D 6184
Normal working temperatures	ºC	-15 up to +150 (Peaks +180)	

Rev: 03/20

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