

ROTHEN LM 200

Complex Lithium Based Grease for High Temperatures

DESCRIPTION

ROTHEN LM 200 is a grease based on complex lithium soap and highly refined mineral oil, heavily fortified with antioxidants, preservatives and EP (extreme pressure) agents. Due to its composition, this grease qualifies as a high-performance product, designed to respond adequately to severe operating conditions. The complex soap guarantees a high dropping point and, consequently, a good structural stability at high temperatures, while also facilitating a possible cold starting.

It provides good protection against wear and resists well against water, even in case of significant leaking. It also presents good resistance to oxidation.

APPLICATIONS

ROTHEN LM 200 can be used for each type of bearing, particularly for those operating at medium to high temperatures, the ideal situation for maximum exploitation of the remarkable technical and economic advantages offered by this product. This would allow to space out dramatically the re-lubrication and bearings' maintenance intervals, thus avoiding frequent production downtime.

Typical applications are represented by bearings of fans or furnaces' carts, or carts used in rolling and paper mills; in these conditions, resistance to temperature and washouts are key factors. **ROTHEN LM 200** can also be employed in the automotive sector (for wheel disc brakes' hub bearings).

This grease is easily pumpable even with automatic centralized systems.

TYPICAL PHYSICAL-CHEMICAL CHARACTERISTICS (*)

Color	: Hazelnut
Aspect	: Fibrous, homogeneous
Recommended temperature range	: MIN. = -25°C ; MAX. = +160°C

FEATURE	UNIT OF MEASURE	METHOD	OUTCOME
NLGI Classification		ASTM D 217	2
Dripping point	°C	ASTM D 566	270
Manipulated Penetration 60 c. at 25°C	1/10mm	ASTM D 217	280
Manipulated Penetration a 10.000 c. a 25°C	1/10mm	ASTM D 217	Δ +/- 25
Anti Corrosion Test	---	ASTM D 1743	Passa
Oxidation Stability (loss of pressure)	PSI	ASTM D 942	Dopo 100 h. < 3
4 Spheres Test (EP) Welding load	N (Kg)	ASTM D 2596	>2500
WATER WASHOUT Test (1 h.-80°C)	%	ASTM D 1264	<5
Base oil's Viscosity at 40°C (ISO)	cSt	ASTM D 445	100

(*):The values are based on typical production, and may consequently vary.