



Inomax HM-series

High performance grease for heavy duty mining mills

Description

Inomax H-00/000 HM is a grease based on an aluminium complex thickener, a mixture of highly refined mineral oil, special polymers and high performance, last generation additives giving Inomax H-000 HM excellent adherence and lubrication properties. Inomax H-00/000 HM is free of any heavy metal content such as lead or antimony as well as chlorine and bitumen, contributing to the better environmental protection.

Benefits

- High thermal and oxidation stability
- Good mechanical stability
- Very high anti-wear and friction reducing properties

- Extremely high adherence and metal affinity
- Excellent anti-rust protection
- High pump-ability even at low temperatures
- Outstanding long life properties

Applications

Inomax H-00/000 HM has been specially designed to lubricate heavy duty mills and open gear sets from cement and mining industry as well as from some chemical and metallurgic industry. The product is also very suitable for the lubrication of preheated rotary ball mills, usually used for carbon milling in electricity plants. Thanks to its very high base oil viscosity these products provide hydrodynamic lubrication even at high temperatures.



Typical performance data

	H-00/HM	H-000/HM
Appearance	Viscous black	
Thickener	Aluminium complex	
Base oil type	Mineral + polymer	
Base oil viscosity		
• @ 40 °C, cSt	13.000	21.000
• @ 100 °C, cSt	500	800
Viscosity index	>170	>170
Density @ 25 °C, g/ml	0,92	0,92
NLGI class	00	000
Penetration @ 25 °C, x 0,1 mm	400-430	445 – 475
Dynamic viscosity @ 25 °C, mPas	25.000-30.000	28.000-36.000
Copper strip corrosion, 100 °C	1b	1b
Oxidation stability, 100 h/100 °C, bar	< 0,45	< 0,50
Evaporation loss, 22h/100 °C, %	< 0,40	< 0,40
4-ball wear test		
• Welding load, kg	> 800	> 800
• Wear scar diameter, 1'/80kg, mm	0,65	0,60
• Wear scar diameter, 1h/40kg, mm	0,58	0,55
Service temperatures, °C	0 – 150	0 – 170

All performance data on this Technical Data Sheet are indicative only and can vary during production

Matrix Specialty Lubricants BV - info@lubes-portal.com – www.lubes-portal.com