

GREASE-PLUS ALU-COMPLEX MO-P 000

ALUMINIUM COMPLEX GREASES

324907901

DYADE
LUBRICANTS



HIGH PERFORMANCE GREASE FOR HEAVY DUTY MINING MILLS

This particular product is a type of grease that utilizes an aluminium complex thickener, blended with highly refined mineral oil, special polymers, and advanced additives to provide outstanding lubrication and adherence properties. It does not contain any heavy metals like lead or antimony, nor does it have chlorine or bitumen components, making it environmentally friendly. This lubricant is formulated for the purpose of lubricating heavy-duty mills and open gear sets in the cement and mining industry, as well as in some chemical and metallurgical applications. It is also highly effective in the lubrication of preheated rotary ball mills, typically utilized in carbon milling for electricity generation. The high base oil viscosity of the lubricant allows for hydrodynamic lubrication even under high temperatures.

CATEGORY

- Greases

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

PROPERTY	METHOD	VALUE
Appearance		Viscous black
Thickener		Aluminium complex
Base oil type		Mineral + polymer
Base oil viscosity @ 40 °C, mm ² /s		21.000
Base oil viscosity @ 100 °C, mm ² /s		800
Viscosity index		>170
Density @ 25 °C, kg/dm ³		0.92
NLGI class		000
Penetration @ 25 °C, x 0,1 mm		445 - 475
Dynamic viscosity @ 25 °C, mPas		28.000-36.000
Copper corrosion @ 100 °C		1b
Oxidation stability, 100 h/100 °C, bar		< 0.50
Evaporation loss, 22h/100 °C, %		< 0.40
4-ball wear test, welding load, kg		> 800
4-ball wear test, wear scar diameter 1'/80 kg, mm		0.60
4-ball wear test, wear scar diameter 1h/40 kg, mm		0.55
Service temperatures, °C		0 - 170

All data on this technical data sheet is indicative only

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