

MAK ROLLING MILL WR GREASE

High quality water resistant grease for rolling mill application

MAK Rolling Mill WR Grease is a high quality lithium-calcium grease based on high quality mineral base oils and specially selected high performance additives. MAK Rolling Mill WR Grease is characterised by excellent oxidation stability, outstanding resistance to water washout, anti-wear properties and rust & corrosion control. This grease finds application in rolling mills which are subjected to arduous conditions such as high temperature, heavy load and high pressure water jets which can wash away the lubricating grease. This grease has been specially designed to withstand severe loads, high temperatures and water washout that happen in rolling process. It has a recommended operating temperature range from -20°C to 130°C.

Applications:

MAK Rolling Mill WR Grease is specially recommended for bearings installed in rolling mills subject to high water ingress. This grease is also suitable for all plain & roller bearings in industrial equipment operating under high load conditions.

Performance/ Benefits:

Excellent Oxidation Stability – excellent resistance to the effects of oxidising agents. Ensures reliability, longer operating life and less maintenance.

Excellent Load Carrying Ability – high viscosity base oil combined with high performance additives offers outstanding protection to the lubricated components making it the ideal grease for components working under heavy loads. Extends equipment life and reduces downtime.

Outstanding Water Resistance – Lithium-calcium thickener technology offers outstanding water washout resistance thereby providing superior lubrication and protection in wet environments of rolling mills.

Extended Regreasing Interval – high structural stability of the grease imparts ability to resist early shear and work longer during harsh working conditions thereby reducing grease consumption.

Reliable Corrosion Protection – protects the bearing components from any chances of rust and corrosion in aqueous environments and enhances their life.

Performance Level/ Specification:

- Proprietary Grade

Typical Physico-Chemical Data: MAK Rolling Mill WR Grease

Characteristics	Method	Value
NLGI Grade	-	2
Appearance	Visual	Smooth
Color	Visual	Brownish Yellow
Type of Thickener	-	Lithium-Calcium
Worked penetration, @ 25°C 60 strokes	ASTM D217	290
Drop Point, °C	ASTM D2265	188
Oxidation Stability (100 hrs.) drop in pressure, kgf/cm ²	ASTM D 942	0.5
Water Wash Resistance at 80 °C, % loss by mass	ASTM D1264	2.1
Operating Temperature Range, °C	-	-20 to 130
Four Ball Weld Test, Kg	IP 239	250
Copper Corrosion at 100 °C for 24 hrs.	ASTM D4048	Negative

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 2 yrs. under protected conditions.

Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the grease from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.