Product Data Sheet

MAK SINTHAX EP GREASE

Extra tacky extreme pressure grease for Sinter plant application

MAK Sinthax EP Grease is a specially designed premium quality lithium based EP grease with extra tackiness to provide effective sealing in sinter plant applications. The grease has also been designed to withstand severe loads and moderate temperatures. Sintering is a technology for agglomeration of iron ore fines into useful blast furnace burden material. This process involves baking of raw material over an oven along with air suction. The quality of sinter highly depends upon the effectiveness of the vacuum produced. MAK Sinthax EP Grease with extra tackiness property works as a good sealant which helps in enhancing the vacuum requirements in sinter plants operations.

Applications:
MAK Sinthax EP Grease is specially recommended for sealing application in sinter plants. The grease is also suitable for all plain & roller bearings in equipment operating under heavy load conditions.

Performance/ Benefits:

Excellent Load Carrying Ability – offers excellent extreme pressure properties making it the ideal grease to protect and lubricate the machine components working under heavy loads.

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

Good Shear Stability – has very good ability to resist early shear and work longer during harsh working conditions.

Strong Rust Protection – protects bearing components rust and corrosion in humid environments and enhances their life.

Good Washout Resistance – offers excellent water washout resistance thereby providing superior lubrication and protection in wet environments.

Excellent Mechanical Stability – offers excellent protection by avoiding loss of consistency during severe operations.

Excellent Tackiness – extra tackiness helps in acting as a good sealant and enhances the efficiency of maintain vacuum in sinter plants.

Very Good Pumpability – good pumpability makes it the ideal grease for centralised lubrication systems.

Performance Level/ Specification:

- IS 7623: 1993 EP Type (Reaffirmed 2016)
- IPSS: 1-09-005-99

Typical Physico-Chemical Data: MAK Sinthax EP Grease

Characteristics	Method	Value
NLGI Grade	-	2
Appearance	Visual	Smooth
Color	Visual	Dark Brown
Type of Thickener	-	Lithium
Worked penetration,@ 25^{O}C 60 strokes	ASTM D217	285
Drop Point, ^{O}C	ASTM D2265	190
Oxidation Stability(100 h), drop in pressure Kg/cm^2	ASTM D942	0.5
Water Washout Resistance @ 80 ^{O}C, % loss by mass	ASTM D1264	4.2
Operating Temperature Range, ^{O}C	-	-20 to 130
Four Ball Weld Test, weld load, Kg	IP 239	250
Copper Corrosion at 100 ^{O}C for 24 hrs.	ASTM D4048	Negative
Corrosion Preventive Test	ASTM D1743	Pass

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.

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