

MAK SINTHAX EP GREASE 2

Description

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

Bharat Petroleum has specifically designed premium quality lithium based EP grease with extra tackiness to provide effective sealing for Sinter plant applications. Also, the grease has been designed to withstand severe loads and moderate temperatures

Application

The grease is specially recommended for sealing application in sinter plants. This grease is also suitable for all plain & roller bearings in equipment operating under severe shock loading conditions and temperatures up to about 130°C

Benefits

- Good Oxidation Stability- Gives enhanced life to the grease lubricant and minimum changing intervals
- Excellent Load Carrying abilities- this grease has good extreme pressure properties, making it suitable to protect and lubricate the machine components even under high loads
- High Drop point-With higher drop point grease is well suited to lubricate components efficiently under high temperature conditions also
- Smooth & Tacky- Extra tackiness makes grease a good sealant and protects components from outside dust and contaminants

Performance Level

- IS 7623: 1993 EP Type [Reaffirmed 2001]
- IPSS: 1-09-005-99

Technical Specifications

CHARACTERISTIC	METHOD OF TEST	REQUIREMENT (IPSS)	MAK SINTHAX EP GREASE
Worked Penetration at 25°C+/-0.5°C (60 double stroke)	ASTM D 217	280-305	285
Drop Point, °C	ASTM D 2265	180 min	190
Resistance to Water Wash Out at 80°C, % loss by mass	ASTM D 1264	10 max	4.6
Thermal Stability, % loss by mass	IS 1448 P:89	5 max	4.7
Oxidation Stability(100 h), drop in pressure Kg/sq cm	ASTM D 942	0.7 max	0.5
Leakage and Deposit Forming Tendencies (wheel bearing test):	ASTM D 1263		
a) Leakage by mass(g)		5 max	3.1
b) Deposit in the wheel bearing races or the rollers		Shall be free from deposits	Free from deposits
c) Evidence of abnormal changes in the consistency or structure of the material		Observations to be reported	No Change
d) Indication of dry running of races		No dry running of races	No Change
Four Ball Weld Test, weld load, Kg	IP:239	250 min	Passes
Corrosion Preventive Test	ASTM D 1743	Shall pass the test	Passes

All the mentioned values are typical which may vary from batch to batch.

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept vertically and should be kept away from dusty or heated areas
- Lid should not be left open and during handling any contact with dust must be avoided
- Containers used for grease transport should be clean and exclusive

Health & Safety

This grade is not hazardous under normal conditions of use. For further guidance Material Safety Data Sheet (MSDS) may be referred.

Advice

For any further advice on applications or otherwise, please contact the nearest Bharat Petroleum territory office or Technical Services department at the address given below

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