Technical Product Information

BERUTOX M 21 KN

High temperature grease

9007601
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Description

Even under mechanical and thermal loads **BERUTOX M 21 KN** maintains its consistency and is thus slightly softer than conventional greases of NLGI grade 2 to support the pumpability in central lubrication systems. Otherwise **BERUTOX M 21 KN** fulfils all items of the specification KP 2 K -20 according to DIN 51 825. With this specification lubricating greases acc. to works standard SN 180 Part 1 of SMS Demag AG are approved for the use in roller and plain bearings of metallurgical machinery. Over many years **BERUTOX M 21 KN** has successfully been used in the roller and plain bearings of well known machine manufacturers such as SMS Demag AG, Siemens VAI and Danieli.

Application

Bearings of guide rollers of continuous casters, lubrication of hot slab transportation systems in metallurgical plants, bearings exposed to extremely high temperatures such as in annealing or drying furnaces, lubrication of rollers of pelleting presses, rotary kilns, cooling beds, conveyor systems, hot air fans , electric motors, waste gas fans for aggressive media, gate valves in bulk material container systems, textile machines.

Properties

- **Service temperature -20°C to +180°C**
- **High temperature grease for longterm lubrication**
- **Excellent consistency/temperature properties**
- **High corrosion protection**

Thickener	Polyurea		
Worked penetration	1/10 mm	290 - 310	DIN ISO 2137
Drop point	°C	≥ 240	IP 396
Water resistance	evaluation grade	1 - 90	DIN 51 807 P1
Corrosion protection (EMCOR-TEST)	degree of corrosion	0 and 0	DIN 51 802
Base oil	Mineral oil		
Kin. viscosity at 40°C	mm^2/s	approx. 490	DIN 51 562
Kin. viscosity at 100°C	mm^2/s	approx. 32	DIN 51 562

Characteristic data

- **NLGI-grade 1 - 2**
- **Colour: Light brown**
- **Denomination acc. to DIN 51 502: KP 1-2 P -20**
- **Speed index (k_a x n x d_m): 400 000**

The above data correspond to latest technology, modifications reserved. This information is intended as a guide and does not necessarily represent a marketing specification. In individual cases tests have to be carried out by the consumer. Further data upon request.

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