

Berutox M 21 KN

Part-No. 10000171 / 9007601

High temperature grease



Product description

Berutox M 21 KN is a long-life lubricating grease for diverse and extremely temperature-loaded applications in the steel, textile or paper industry. Berutox M 21 KN impresses with its excellent consistency-temperature behaviour and very good corrosion and wear protection.

Industries

- Mining
- Paper industry
- Steel industry

Examples of application

- Bearings of guide rollers of continuous casters
- Hot slab transportation systems in metallurgical plants
- Bearings of furnaces such as annealing and drying furnaces subjected to extreme temperatures
- Slide tracks of travelling grate furnaces and sinter machines
- Rotary kilns
- Roller and plain bearings
- Cooling beds
- Conveyor systems
- Hot air fans
- Electric motors
- Waste gas fans for aggressive media
- Gate valves in bulk material container systems
- Textile machines
- Rolling and sliding bearings in the dryer section of the paper machine, fan bearings

Properties

- Excellent consistency/temperature properties
- High corrosion protection
- Very good water resistance
- Very good wear protection
- Excellent pumpability
- Extreme pressure properties

Approvals and specifications

- Danieli
- Fulfils all items of the specification KP 2 K-20 according to DIN 51825
- Siemens VAI
- 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

Characteristic data

Type	Unit	Value	Standard
Thickener		Polyurea	
Base oil		Mineral oil	
NLGI-grade		1-2	
Color/Appearance		light brown	
Kinematic viscosity of the base oil at 40 °C	mm ² /s	approx. 490	DIN 51562/ASTM D 7042



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Type	Unit	Value	Standard
Kinematic viscosity of the base oil at 100 °C	mm ² /s	approx. 32	DIN 51562/ASTM D 7042
Worked penetration	1/10 mm	285 – 315	DIN ISO 2137
Drop point	°C	≥ 240	IP 396
Working temperature range	°C	-20 – 180	
Working temperature range	°F	-4 – 356	
Corrosion protection (EMCOR) distilled water	Degree of corrosion	0 and 0	DIN 51802
Water resistance	Evaluation grade	1 – 90	DIN 51807-1
Speed index (n x dm)		400000	

Instructions for use

Please read the safety data sheet prior to use to learn about precautions and safety instructions. Always comply with the applicable safety provisions and the intended use. You can request a copy of the current safety data sheet using the contact form on our website www.bechem.de/kontakt or by e-mail to bechem@bechem.de.

Important notes

The information and technical data contained in this data sheet concerning the fields of application and processing for the product listed above are based on our knowledge and experience at the time of printing. Unless otherwise stated, this information is provided solely for reference and does not constitute a specification or warranty of quality in a particular instance. Many factors such as the relevant fields of application and the operating and working conditions are beyond the control of BECHEM. **For this reason, we cannot guarantee the suitability of our products for a specific purpose or application on the part of the customer. The delivery of our products and our liability are subject exclusively to our general sales and delivery conditions. These are available online at www.bechem.de/agb.html.**

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and confirms the compatibility of the product or carries out thorough laboratory tests.

Please refer to the current safety data sheet for information regarding: Hazardous material labelling, safety provisions, and regulations on storage and transport, and take any necessary precautions to protect property and persons.

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For further information and more detailed product data, please contact us at: info@bechem.com or bechem@bechem.de.



High temperatures



Resistant to water



Roller bearings



Plain bearings