

Berutox M 21 EPK

Part-No. 10000162 / 9007281

Multipurpose grease



Product description

Berutox M 21 EPK is a long-life lubricating grease for a wide range of industrial applications, especially in the automotive sector. Berutox M 21 EPK is characterized by high adhesion, very good resistance to water and steam, high load-carrying capacity and good compatibility with plastics.

Industries

- Automotive industry
- Paper industry
- Railway technology
- Textiles and apparel industry

Examples of application

- Door stops, hinges, shift linkages, water pumps in the automotive and supplier industry
- Plain bearings of pellet mills
- Top arm bearings and variator systems of ring spinning machines
- Roller bearings under heavy exposure to water, steam or other aggressive media
- Roller and plain bearings in the wet and dryer sections of paper machines
- Wheelset bearings, housing bolts, brakes, bolts, bushings, sliding guides, roller and plain bearings in the railway industry

Properties

- Excellent sealing qualities
- High adhesion
- Excellent resistance to water and steam
- High corrosion and wear protection
- Good oxidation stability
- High load-carrying capacity
- Good high temperature properties
- Water repellent
- EP-properties

Material combinations

- Metal/plastic

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
Kinematic viscosity of the base oil at 100 °C	mm ² /s	approx. 32	DIN 51562/ASTM D 7042
Worked penetration	1/10 mm	290 – 320	DIN ISO 2137



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Type	Unit	Value	Standard
Drop point	°C	≥ 230	IP 396
Working temperature range	°C	-20 – 160	
Working temperature range	°F	-4 – 320	
Corrosion protection (EMCOR) distilled water	Degree of corrosion	0 and 0	DIN 51802
Water resistance	Evaluation grade	1 – 90	DIN 51807-1
Timken-Test load	lbs	≥ 40	AA_003-74 acc. to SEB 181302
Timken test of abrasion	mm ² /s	≤ 5	AA_003-74 acc. to SEB 181302

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.**

Information regarding material compatibility is based on extensive laboratory testing and literature references. Due to the large number of plastics used and their raw materials as well as the complex chemical and morphological polymer structure, the indications regarding compatibility are solely a reflection of general trends. In order to ensure that the product is used correctly for individual orders and particularly for serial production, we recommend that the supplier carries out its own trials and application tests in advance

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.

Because BECHEM products are subject to continuous development, CARL BECHEM GMBH and its associated companies reserve the right to make changes to the technical data in this data sheet at any time.

Visible variations in the product color of each batch as well as changes in the color of delivered products are technically possible and even probable for some products (for instance, due to the influence of temperature on raw materials). These processes are normal and confirmed by BECHEM raw material suppliers. They have no impact on the serviceability, service life, and quality of the products.

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



High loads



High temperatures



Resistant to water



Roller bearings



Automotive industry