

Berutox FE 18 EP

Part-No. 10000167 / 9007371

High performance grease



Product description

Berutox FE 18 EP is a high performance grease with good extreme pressure properties for the lubrication of high speed rolling and plain bearings.

Industries

- Mining
- Paper industry

Examples of application

- High speed plain and roller bearings in generators
- Electric motors
- Fans and ventilators
- In wheel bearings and water pump bearings in the automotive sector

Properties

- Very good water resistance
- Very good corrosion protection
- Wide service temperature range
- Very good pumpability
- Good wear protection due to extreme pressure additives

Material combinations

- Metal/metal

Characteristic data

Type	Unit	Value	Standard
Thickener		Polyurea	
Base oil		Mineral oil	
NLGI-grade		2	
Color/Appearance		beige	
Kinematic viscosity of the base oil at 40 °C	mm ² /s	approx. 100	DIN 51562/ASTM D 7042
Kinematic viscosity of the base oil at 100 °C	mm ² /s	approx. 11	DIN 51562/ASTM D 7042
Worked penetration	1/10 mm	265 – 295	DIN ISO 2137
Drop point	°C	≥ 240	IP 396
Working temperature range	°C	-20 – 140	
Working temperature range	°F	-4 – 284	
Corrosion protection (EMCOR) distilled water	Degree of corrosion	0 and 0	DIN 51802
Copper corrosion test (24 h/100 °C)	Degree of corrosion	1	DIN 51811
Water resistance	Evaluation grade	1 – 90	DIN 51807-1
Four ball weld load	N	≥ 2400	DIN 51350-4

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Type	Unit	Value	Standard
Speed index (n x dm)		500000	
Denomination according to DIN 51502		KP 2 N-20	

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.

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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.

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High loads



High speed



Resistant to water



Good pumpability



Roller bearings



Plain bearings