

Berutox FB 22

Part-No. 9012699

Synthetic high performance grease



Product description

Berutox FB 22 is a synthetic high-performance grease for the long-term lubrication of high-speed rolling bearings, plain bearings and small gears in industrial machinery.

Industries

- Metalworking
- Mining
- Paper industry
- Railway technology

Examples of application

- High-speed spindle bearings, eg in machine tools and textile machines
- High-speed rolling and plain bearings
- Screw spindles
- Gears in small gearboxes
- Worm gears
- Electric motor and fan bearings
- Bearings of guide rollers and roller cutting machines

Properties

- Excellent performance in high-speed spindle bearing test rig WS 22 (speed factor in hybrid bearing: 2,25 million)
- For high and low temperatures
- High load-carrying capacity
- Reliable corrosion and wear protection
- Excellent consistency-temperaturebehaviour
- Excellent water and media resistance
- Very good pumpability
- Suitable for use under open air conditions
- Well suitable for shock loads and vibrations
- Good adhesion on metallic surfaces

Characteristic data

Type	Unit	Value	Standard
Thickener		Barium complex soap	
Base oil		Polyalphaolefin (PAO)	
NLGI-grade		2	
Color/Appearance		light beige	
Kinematic viscosity of the base oil at 40 °C	mm ² /s	approx. 50	DIN 51562/ASTM D 7042
Kinematic viscosity of the base oil at 100 °C	mm ² /s	approx. 8	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	-40 – 180	
Working temperature range short term	°C	200	
Working temperature range	°F	-40 – 356	
Working temperature range short term	°F	392	



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Type	Unit	Value	Standard
Service temperature according to DIN 51825: KP 2 N -40		-40 °C/-40 °F to +140 °C/+284 °F	
Corrosion protection (EMCOR) distilled water	Degree of corrosion	0 and 0	DIN 51802
Water resistance	Evaluation grade	1 – 90	DIN 51807-1
Flow pressure at -40 °C	hPa	≤ 1400	DIN 51805
Four ball weld load	N	3400	DIN 51350-4

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

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Low temperatures



High temperatures



High speed



Good pumpability



Roller bearings



Plain bearings