

# Berulub FG-H 2 EP

Part-No. 2900709

Synthetic high-performance grease for the food processing industry



## Product description

Berulub FG-H 2 EP is a synthetic high-performance grease for the supply of grease-lubricated, highly loaded machine elements in plants of the food and automotive industries. Berulub FG-H 2 EP is characterised by a high load-carrying capacity and reliable corrosion protection.

### Industries

- Food industry
- Paper industry
- Pellet presses
- Railway technology

### Examples of application

- Roller and plain bearings
- Cam plates
- Guides
- Plain rollers
- Heavily loaded small gears
- Central lubrication systems
- Automatic clutch connections
- Roller and plain bearings in the finishing of paper, which may later come into contact with food

### Properties

- Good adhesion and sealing effect
- Oxidation and aging resistance
- Reliable corrosion and wear protection
- High load carrying capacity
- Resistant to cold and hot water, water steam as well as aqueous alkaline, acid disinfecting and cleaning agents
- Prevents stick-slip
- This lubricant does not contain any allergens according to Regulation (EU) No 1169/2011 (Food Information Regulation) and according to the Dutch ALBA allergen database

### Materials

- Die cast metals
- Non-ferrous metal
- Steel

### Registration

- H1-registered

### NSF-Registration no.

140486

### Certificates

- ISO 21469
- Halal
- Kosher

## Characteristic data

Type	Unit	Value	Standard
Thickener		Special calcium complex soap	
Base oil		Polyalphaolefin (PAO)	
NLGI-grade		1-2	
Color/Appearance		light brown	
Kinematic viscosity of the base oil at 40 °C	mm <sup>2</sup> /s	approx. 150	DIN 51562/ASTM D 7042

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Type	Unit	Value	Standard
Kinematic viscosity of the base oil at 100 °C	mm <sup>2</sup> /s	approx. 18,5	DIN 51562/ASTM D 7042
Worked penetration	mm <sup>2</sup> /s	285 – 320	DIN ISO 2137
Drop point	°C	≥ 240	IP 396
Working temperature range	°C	-40 – 160	
Working temperature range	°F	-40 – 320	
Four ball weld load	N	≥ 3000	DIN 51350-4

## Instructions for use

- This lubricant is not suitable for consumption

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](http://www.bechem.de/kontakt) or by e-mail to [bechem@bechem.de](mailto:bechem@bechem.de).

## Other delivery forms

- Berulub FG-H 2 EP Spray (Part-No. 5301439)

## 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](http://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.

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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](mailto:info@bechem.com) or [bechem@bechem.de](mailto:bechem@bechem.de).



High loads



Low temperatures



Food grade/Pharmaceutical  
technology



Roller bearings



Plain bearings



Automotive industry