

# Beruplex CS 2 EP

Part-No. 10000042 / 6001491

EP grease



## Product description

Beruplex CS 2 EP is an EP long-term grease for reducing friction and wear at high temperatures and humidity. Beruplex CS 2 EP calcium complex soap grease is used in the iron and steel industry.

### Industries

- Cement industry
- Mining

### Examples of application

- Plain and roller bearings
- Central lubrication systems for example in the mining industry
- Conveyor systems
- Sintering machines
- Furnaces
- Oxygen and electric steel plants
- Continuous casters
- Hot rolling mills
- Cold rolling mills
- Belt conveyor systems
- Construction machinery
- Processing machines

### Properties

- Wide service temperature range
- Excellent thermal stability
- Very good water resistance
- Very good corrosion protection
- High wear protection
- Very good pumpability in central lubrication systems
- High load carrying capacity

## Characteristic data

Type	Unit	Value	Standard
Thickener		Calcium complex soap	
Base oil		Mineral oil	
NLGI-grade		2	
Color/Appearance		brown	
Kinematic viscosity of the base oil at 40 °C	mm <sup>2</sup> /s	approx. 150	DIN 51562/ASTM D 7042
Kinematic viscosity of the base oil at 100 °C	mm <sup>2</sup> /s	approx. 13	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	-25 – 140	

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Type	Unit	Value	Standard
Working temperature range	°F	-13 – 284	
Corrosion protection (EMCOR) distilled water	Degree of corrosion	0 and 1	DIN 51802
Copper corrosion test (24 h/120 °C)	Degree of corrosion	1	DIN 51811
Water resistance	Evaluation grade	1 – 90	DIN 51807-1
Flow pressure at -20 °C	hPa	≤ 800	DIN 51805
Four ball weld load	N	≥ 3000	DIN 51350-4
Timken-Test load	lbs	≥ 45	ASTM D 2509

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

## Other delivery forms

Part-No. 6001521, Beruplex CS 2-1 EP, worked penetration 290 – 330

## 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

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



High temperatures



Resistant to water



Good pumpability



Roller bearings



Corrosion protection