

Klüberplus S 01-004

Aqueous graphite suspension



Benefits for your application

- Chain lubricant for extremely high temperatures
- Solvent-free
- Excellent wetting capacity
- High stability

Description

Klüberplus S 01-004 is a stable, aqueous graphite suspension used for applications at very high temperatures. It is free from solvents and thus prevents environmental contamination by solvent evaporation. In an undiluted condition Klüberplus S 01-004 is characterized by a very good wetting capacity, good corrosion protection and high stability.

Application

Klüberplus S 01-004 is suitable for the lubrication of transport chains in burning and annealing furnaces (e.g. tube annealing furnaces) operating at extremely high temperatures. It is also suitable for drive and control chains in melting furnaces used in the metalworking industry and for other chains subject to high thermal loads, such as plate carrier chains in baking ovens. Klüberplus S 01-004 can also be used as a release agent for the diecasting of copper alloy materials.

Application notes

Klüberplus S 01-004 is a ready-to-use product that can be applied by brush, oil metering can or automatic spray equipment. For chain relubrication we recommend application

to a cold chain or to a chain heated to approx. 60 °C. If required, dilution with water is possible. However, the lubricity, wettability, corrosion protection and stability of Klüberplus S 01-004 will decrease to the same extent as the dilution ratio increases. For chain lubrication we recommend dilution with 4 parts of water maximum. Other dilution ratios are possible depending on the specific application. It may then be necessary to install an agitator in the lubricant reservoir to prevent the solid lubricant particles from settling. The wetting capacity should also be checked.

Protect from frost and direct heat.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüberplus S 01-004
Bucket 15 l	+

Product data	Klüberplus S 01-004
Article number	042155
Upper service temperature	500 °C / 932 °F
Colour space	black
Texture	homogeneous
Texture	very viscous



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Determination of pH value, DIN 51369, electrometrically, undiluted	approx. 7.6
Runout time, DIN EN ISO 2431, with flow cups, 5 mm nozzle	approx. 45 s
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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