

Klüberplus S 01-004

Aqueous graphite suspension



Your benefits at a glance

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

Your requirements - our solution

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	+

Characteristics	Klüberplus S 01-004
Article number	042155
Colour space	black
Texture	homogeneous , very viscous
Service temperature, upper limit	500 °C

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Characteristics	Klüberplus S 01-004
Density, Klüber method: PN 024, 20°C	approx. 1.12 g/cm ³
pH-value, DIN 51369, electrometrically / undiluted	approx. 7.6
Flow time, DIN EN ISO 2431, equipment: flow cup, 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 90 years.

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