

Klübertec C1-101

High-temperature, low-residue lubricating oil for mould release in metal-forming processes, e.g. continuous casting of aluminium alloys



Benefits for your application

- Low smoke generation due to high thermal stability and hence better visibility
- Low evaporation and consumption due to a high flash point
- Improved surface finish of the castings and reduced residue formation on the mould as the product is free of pigments or solid lubricants

Description

Klübertec C 1-101 is a high-temperature lubricating oil which offers particularly good mould release properties for such a type of low-viscosity product. Its evaporation tendency is low due to a high flash point and, consequently for long cycle times, consumption and smoke generation is much reduced.

The quality and purity of Klübertec C 1-101, having no pigments or solid lubricants ensures low residue formation, reducing set-up time between cycles, leaving clean surfaces on the manufactured parts and further reducing processing.

Application notes

Klübertec C 1-101 should be used undiluted using conventional metering methods, for example sponge, brush, roller or spray nozzle, and be spread evenly either manually or automatically.

Due to its low viscosity, Klübertec C1-101 is easily pumpable, for example through the fine pores of graphite lining in LHC casting.

Klübertec C 1-101 can also be sprayed onto the surfaces with a spray gun (nozzle diameter 0.8 mm, compressed air approx. 2 bar, distance approx 10 - 20 cm).

Application

Klübertec C 1-101 can be used in many forming processes for aluminium or aluminium alloys and is particularly suitable for the Wagstaff LHC casting technology.

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	Klübertec C 1-101
Canister 20 l	+
Drum 200 l	+

Product data	Klübertec C 1-101
Article number	037251
Colour space	colourless
Appearance	clear
Density, DIN 51757, 20 °C	approx. 0.83 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 32 mm ² /s
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 200 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months



Klübertec C1-101

High-temperature, low-residue lubricating oil for mould release in metal-forming processes, e.g. continuous casting of aluminium alloys



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.

**Klüber Lubrication München SE & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.**

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.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.