

Klübertherm CH 2-680

High-viscosity high-temperature chain oil



Benefits for your application

- Very good wear protection under high loads and oven temperatures ≥ 250 °C enables minimum quantity lubrication
- Reduced lubricant consumption possible as the oil has a low oxidation and ageing rate
- Little maintenance of chains required as residues are dissolved by fresh oil

Description

Klübertherm CH 2-680 is a high-viscosity ester oil offering good thermal resistance. The existing oil Klübersynth CH 2-680 was enhanced to reduce residue formation at high temperatures. On relubrication, the fresh oil dissolves residues so the chains are kept clean and require little maintenance. The oil's raw materials were carefully selected with a view to better oxidation resistance, leading to slower ageing at high temperatures and hence lubricity retained for longer.

For use in coating plants, a paint compatibility test may have to be performed at the operator's plant prior to series application. Should Klübertherm CH 2-680 come into contact with elastomers or plastics, exposure tests may have to be conducted.

Continuous minimum-quantity lubrication enables long chain life. Klüber Lubrication Service can advise on optimised relubrication intervals and quantities.

Application

Klübertherm CH 2-680 was developed for the lubrication of conveyor chains in high-temperature applications, typically in coating installations and drying kilns.

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.

Application notes

Klübertherm CH 2-680 may be applied by centralised lubricating systems (subject to ability to pump 680 mm²/s viscosity) or manually.

Pack sizes	Klübertherm CH 2-680
Canister 1 l	+
Canister 20 l	+
Drum 200 l	+

Product data	Klübertherm CH 2-680
Article number	002173
Chemical composition, type of oil	synthetic hydrocarbon oil
Chemical composition, type of oil	ester oil
Lower service temperature	0 °C / 32 °F
Upper service temperature	260 °C / 500 °F
Appearance	clear
Colour space	yellow
Density, DIN 51757, 20 °C	approx. 0.94 g/cm ³



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Product data	Klübertherm CH 2-680
Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus	>= 260 °C
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 680 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 48 mm ² /s
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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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