

# Klüberbeta H 7-500, -1000

Silicone oils for high-temperature applications



## Benefits for your application

- High thermal stability, low tendency to ageing, no polymerization
- Good low-temperature behaviour, no significant increase in viscosity at temperatures below zero
- Excellent resistance to aggressive media
- High oxidation resistance, no gumming
- Good wetting power owing to low surface tension
- Compatible with many plastics and elastomers

## Description

These methyl silicone oils of brownish colour offer excellent thermal stability in a temperature range from 150 °C to max. 200 °C.

## Application

These Klüberbeta oils are used especially on Hymmen double-belt presses for the lubrication of the plastic sealing bars.

Experience has shown that temperatures up to 250 °C are possible with continuous relubrication.

### Further applications:

- Maintenance and assembly aid for rubber and plastic parts
- Sliding agent for plastic/metal friction pairings.

## Application notes

Klüberbeta H 7 oils can be applied by immersion, spraying, brush or central lubrication systems.

Please see current material safety data sheet.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

| Pack sizes    | Klüberbeta H 7- 500 | Klüberbeta H 7-1000 |
|---------------|---------------------|---------------------|
| Canister 5 l  | +                   | +                   |
| Canister 20 l | +                   | -                   |

| Product data   | Klüberbeta H 7- 500            | Klüberbeta H 7-1000              |
|--|--------------------------------|----------------------------------|
| Article number   | 024113                         | 024112                           |
| Chemical composition, type of oil  | methyl silicone oil            | methyl silicone oil              |
| Colour space   | brown                          | brown                            |
| Density, DIN 51757, 25° C  | 0.97 g/cm <sup>3</sup>         | 0.96 g/cm <sup>3</sup>           |
| Flash point, DIN EN ISO 2592, Cleveland, open-cup apparatus  | >= 300 °C                      | >= 300 °C                        |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 25 °C  | approx. 500 mm <sup>2</sup> /s | approx. 1 000 mm <sup>2</sup> /s |
| Pour point, DIN ISO 3016   | <= -50 °C                      | <= -50 °C                        |
| Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx. | 12 months                      | 12 months                        |



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## 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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