

# UNISILKON TK 017 200 THERM, TK 017 500 THERM

High-temperature lubricating oils for rolling, plain and sintered metal bearings



## Benefits for your application

- High thermal stability
- Good low-temperature performance
- Resistant to oxidation
- Resistant to ambient media
- Resistant to ambient media

## Description

UNISILKON TK 017/200 THERM & UNISILKON TK 017/500 THERM are special silicone based special purpose fluids oils with excellent thermal stability, good low-temperature performance and resistance to oxidation. In addition, they exhibit low volatility having a low vapour pressure and are resistant to a wide range of ambient media.

## Application

UNISILKON TK 017/200 THERM & UNISILKON TK 017/500 THERM are used for the lubrication of rolling and plain bearings as well as for the impregnation of porous sintered metal bearings and sintered formed parts.

### Other applications:

- Plastics and rubber industry: Separating agent for semi-finished, finished parts. Preservative for elastomer materials to protect against brittleness and cracking.
- Textile industry: Start up oil for gear pumps used in synthetic filament extrusion.

- Precision engineering: Instrument and bearing oil.
- Heat technology: Heat transfer fluids.

## Application notes

UNISILKON TK 017/200 THERM & UNISILKON TK 017/500 THERM can be applied via drip-feed, brush or centralized lubrication systems. Impregnation of sintered metal components is achieved via vacuum impregnation.

## 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	UNISILKON TK 017/200 THERM	UNISILKON TK 017/500 THERM
Canister 1 l	+	+
Canister 20 l	+	+

Product data	UNISILKON TK 017/200 THERM	UNISILKON TK 017/500 THERM
Article number	024086	024090
Chemical composition, type of oil	phenylmethyl silicone oil	phenylmethyl silicone oil
Lower service temperature	-30 °C / -22 °F	-15 °C / 5 °F
Upper service temperature	250 °C / 482 °F	250 °C / 482 °F
Colour space	brown	brown
Density, DIN 51757, 20 °C	approx. 1.08 g/cm <sup>3</sup>	approx. 1.1 g/cm <sup>3</sup>



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Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 25 °C	approx. 200 mm <sup>2</sup> /s	approx. 500 mm <sup>2</sup> /s
Pour point, DIN ISO 3016	<= -30 °C	<= -20 °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

## 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.

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