

# UNISILKON TK 017/200 THERM, TK 017/500 THERM

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



## 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.

## Minimum shelf life

The minimum shelf life of UNISILKON TK 017 200 THERM is approx. 12 months if the product is stored in its unopened original container in a dry place.

The minimum shelf life of UNISILKON TK 017 500 THERM is approx. 3 months if the product is stored in its unopened original container in a dry place.

## Pack sizes

1 l	canister
20 l	canister

## UNISILKON TK 017/200 THERM UNISILKON TK 017/500 THERM

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

## Product data

UNISILKON	TK 017/200 Therm	TK 017/500 Therm
Chemical structure, oil type	phenylmethyl silicone oil	phenylmethyl silicone oil
Colour	light brown	light brown
Density, DIN 51757, 20 °C [g/cm³], approx.	1.08	1.10
Service temperature range* [°C], approx.	-30 to 250	-15 to 250
Kinematic viscosity DIN 51562 pt. 01, Ubbelohde 25° C [mm²/s], approx.	200	500
Pour point, DIN ISO 3016 [°C], approx.	-30	-20

\* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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