

# UNISILKON TK M 1011, TK M 1012

High-temperature lubricating, sliding and sealing agent



## Benefits for your application

- High thermal stability
- Good resistance to low temperatures
- Resistant to ambient media
- Good water resistance

## Description

UNISILKON TK M 1011 and UNISILKON TK M 1012 are lubricating, sliding and sealing agents based on silicone oil. They offer high thermal stability, are insoluble in water and resistant to many ambient media.

## Application

UNISILKON TK M 1011 can be used as lubricating, sliding and sealing agent for all types of gas burning installations including their accessory parts which are in contact with fuel gas, e.g. valves, taper plug valves, ball valves in cookers and heaters.

- Lubricant for sealing elements, to increase sliding capacity and reduce abrasion e.g. in plastics taps
- Press-in and mounting aid for O-rings, packings
- Sliding and sealing paste e.g. for ground-glass and taps in laboratories of the chemical industry

- Insulating agent for high dielectric breakdown strength in substations and switching stations to prevent arcing

## Application notes

Clean and degrease surfaces. Apply a thin layer to the entire surface by means of brush, spatula or cloth which does not fray.

## 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 M 1011	UNISILKON TK M 1012
Tube 50 g	+	-
Can 1 kg	+	+
Bucket 25 kg	+	+

Product data	UNISILKON TK M 1011	UNISILKON TK M 1012
Article number	022089	022090
Chemical composition, thickener	silicate	silicate
Chemical composition, type of oil	silicone oil	silicone oil
Lower service temperature	-40 °C / -40 °F	-40 °C / -40 °F
Upper service temperature	160 °C / 320 °F	160 °C / 320 °F
Appearance	transparent	transparent
Colour space	white	white
Density at 20 °C	approx. 1.05 g/cm <sup>3</sup>	approx. 1.05 g/cm <sup>3</sup>



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High-temperature lubricating, sliding and sealing agent

Product data	UNISILKON TK M 1011	UNISILKON TK M 1012
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> , equipment: rotational viscometer, lower limit value	15 000 mPas	20 000 mPas
Shear viscosity at 25°C, shear rate 300 s <sup>-1</sup> , equipment:rotational viscometer, upper limit value	22 000 mPas	46 000 mPas
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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.

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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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