

# 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**
- **UNISILKON TK M 1011**
- **Approved acc. to DIN EN 377 class E**
- **Neutral towards EN 377 elastomers, e.g. SRE – NBR 1**

## 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. UNISILKON TK M 1011 has been tested and approved according to DIN EN 377 class E, DIN-DVGW reg.-No. NG 5162AR0761.

## Application

UNISILKON TK M 1011 is 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 with a service temperature acc. to EN 377 of 0°C to 160°C and in context with fuel gases and gas mixtures such as natural gas and town gas, propane, butane acc. to DVGW worksheet G260. 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 downloaded or 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
Can 1 kg	-	-
Bucket 25 kg	-	-
Tube 50 g	+	-



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Product data	UNISILKON TK M 1011	UNISILKON TK M 1012
Article number	022089	022090
Upper service temperature	160 °C / 320 °F	160 °C / 320 °F
Lower service temperature	-40 °C / -40 °F	-40 °C / -40 °F
DVGW approval acc. to DIN EN 377 (01.04.1999)	in accordance	
Shear viscosity at 25°C, shear rate 300 s <sup>-1</sup> , equipment:rotational viscometer, upper limit value	22 000 mPas	46 000 mPas
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> , equipment: rotational viscometer, lower limit value	15 000 mPas	20 000 mPas
Density at 20 °C	approx. 1.05 g/cm <sup>3</sup>	approx. 1.05 g/cm <sup>3</sup>
Chemical composition, thickener	silicate	silicate
Chemical composition, type of oil	silicone oil	silicone oil
Appearance	transparent	transparent
Colour space	white	white
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

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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.**

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