

UNISILKON TK 002

Silicone oils



Your benefits at a glance

- Good low-temperature behaviour due to the low pour point
- High thermal stability
- Neutral towards many plastics and elastomers

Your requirements - our solution

UNISILKON TK 002 are transparent, clear fluids based on methyl silicone. These oils offer good stability at low and high temperatures.

UNISILKON TK 002/500, UNISILKON TK 002/1000 are NSF H1 registered and therefore comply with FDA 21 CFR § 178.3570. The lubricants were developed for incidental contact with products and packaging materials in the food-processing, cosmetics, pharmaceutical or animal feed industries. The use of UNISILKON TK 002/500, UNISILKON TK 002/1000 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

UNISILKON TK 002/500 and UNISILKON TK 002/1000 have also been tested for use as assembly aid for materials in drinking water applications according to NSF / ANSI / CAN 61.

Application

Release agent:

- For rubber and plastic
- For sealing and welding equipment in packaging and plastics processing machines
- Prevents welding beads in shielded arc welding

Protective agent:

- For rubber and elastomer parts, e.g. mats and profiles

Sliding agent:

- For rubber and synthetic materials, chutes and slideways in packaging and vending machines.

Lubricant:

- For plastic and metal composite bearings and gears.

Fluid for hydraulic controls

Dampening and expansion oil

Application notes

UNISILKON TK 002 oils can be applied by brush, oil can or drip oiler.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	UNISILKON TK 002/ 20	UNISILKON TK 002/ 100	UNISILKON TK 002/ 500	UNISILKON TK 002/1000
Canister 1 l	+	+	+	+
Canister 20 l		+	+	+
Drum 200 l		+		

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Characteristics	UNISILKON TK 002/ 20	UNISILKON TK 002/ 100	UNISILKON TK 002/ 500	UNISILKON TK 002/1000
Article number	024001	024003	024004	024005
Composition, type of oil	methyl silicone oil	methyl silicone oil	methyl silicone oil	methyl silicone oil
Appearance	clear	clear	clear	clear
Colour space	colourless	colourless	colourless	colourless
Service temperature, lower limit	-60 °C	-50 °C	-50 °C	-45 °C
Service temperature, upper limit	120 °C	150 °C	150 °C	150 °C
NSF H1 registration number			113764	142117
Density, DIN 51757, 20°C	approx. 0.95 g/cm ³	approx. 0.97 g/cm ³	approx. 0.97 g/cm ³	approx. 0.97 g/cm ³
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 7 mm ² /s	approx. 29 mm ² /s	approx. 165 mm ² /s	approx. 390 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 25°C	approx. 20 mm ² /s	approx. 100 mm ² /s	approx. 500 mm ² /s	approx. 1350 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 15 mm ² /s	approx. 75 mm ² /s	approx. 400 mm ² /s	approx. 1000 mm ² /s
Viscosity index, DIN ISO 2909	approx. 400	approx. 400	approx. 400	approx. 400
Pour point, DIN ISO 3016	approx. -60 °C	approx. -50 °C	approx. -50 °C	approx. -45 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	60 months	60 months	60 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 90 years.

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