

UNISILKON TK 44 N 0, 2, 3, 4

Lubricating greases for rolling bearings subject to high service temperatures



Benefits for your application

- **Special synthetic base oil allows wide range of applications and service temperatures**
- **Versatile grease due to compatibility with many plastics and elastomers**
- **Cost savings and extended service life due to good corrosion protection, resistance to ageing and oxidation**

Description

UNISILKON TK 44 N lubricants are special greases based in phenyl methyl silicone oil and a sodium complex soap thickener for a wide service temperature range.

Application

UNISILKON TK 44 N greases are used for the lubrication of rolling bearings at very high temperatures. They are not subject to the classification acc. to DIN 41825. Relubrication is recommended in order to ensure long-term lubrication. For this purpose UNISILKON TK 44 N 2 REC and UNISILKON TK 44 N 2 REC A can also be used. Due to their special formulation and compatibility with many plastics and elastomers. UNISILKON TK 44 N greases have also proven effective for metal/plastic or rubber friction pairings in plain bearings and sliding points requiring long-term lubrication.

Application notes

UNISILKON TK 44 N greases are applied by grease gun, brush or spatula. We recommend checking pumpability in central lubrication systems with the manufacturer of the application equipment used. Commercial detergents can be used for precleaning the friction points.

Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its unopened original container in a dry, frost-free place.

Material safety data sheets

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

Pack sizes	UNISILKON TK 44 N 0	UNISILKON TK 44 N 2	UNISILKON TK 44 N 3	UNISILKON TK 44 N 4
Can 500 g	+	+	+	+
Bucket 25 kg	+	+	+	+



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Product data	UNISILKON TK 44 N 0	UNISILKON TK 44 N 2	UNISILKON TK 44 N 3	UNISILKON TK 44 N 4
Article number	022010	022003	022004	022005
Chemical composition, type of oil	phenylmethyl silicone oil	phenylmethyl silicone oil	phenylmethyl silicone oil	phenylmethyl silicone oil
Chemical composition, thickener	sodium complex soap	sodium complex soap	sodium complex soap	sodium complex soap
Lower service temperature	-45 °C / -49 °F	-40 °C / -40 °F	-40 °C / -40 °F	-30 °C / -22 °F
Upper service temperature	170 °C / 338 °F	180 °C / 356 °F	180 °C / 356 °F	180 °C / 356 °F
Colour space	beige	beige	beige	brown
Density at 20 °C	approx. 1.05 g/cm ³	approx. 1.05 g/cm ³	approx. 1.06 g/cm ³	approx. 1.06 g/cm ³
Worked penetration, acc. to Klein, 25 °C, lower limit value	360 0,1 mm	265 0,1 mm	220 0,1 mm	175 0,1 mm
Worked penetration, acc. to Klein, 25 °C, upper limit value	410 0,1 mm	295 0,1 mm	250 0,1 mm	205 0,1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 25 °C	approx. 200 mm ² /s	approx. 200 mm ² /s	approx. 200 mm ² /s	approx. 200 mm ² /s
Drop point, DIN ISO 2176		>= 230 °C	>= 230 °C	>= 230 °C

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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 KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.**

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