

ISOFLEX TEL 3000 ALTEMP

Low-friction grease



Benefits for your application

- **Low-friction grease with emergency lubricating properties**
- **Efficient lubricating film**
- **Good corrosion protection**
- **Long maintenance intervals**
- **Clean lubrication**

Description

ISOFLEX TEL 3000 ALTEMP is a light-coloured, dynamically light lubricating grease for friction points in the textile and precision engineering industry. It consists of ester oil, mineral oil, lithium soap and ALTEMP, a special solid lubricant combination.

Application notes

The lubricant is applied to the clean friction point by brush, spatula, or similar devices. Owing to the different compositions of elastomers and plastic materials, compatibility tests are indispensable before series application.

Application

Owing to its good low-temperature properties, ISOFLEX TEL 3000 ALTEMP is suitable for plain and rolling bearings, including those used in automotive engineering. It has also proven effective as a low-friction grease for zig-zag winding guides used in the textile industry.

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	ISOFLEX TEL/3000 ALTEMP
Can 1 kg	+
Bucket 25 kg	+



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Product data	ISOFLEX TEL/3000 ALTEMP
Article number	005060
Lower service temperature	-45 °C / -49 °F
Upper service temperature	60 °C / 140 °F
Colour space	beige
Texture	short-fibred
Texture	homogeneous
Density at 20 °C	approx. 0.95 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	310 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	280 x 0.1 mm
Shear viscosity at 25°C, shear rate 300 s ⁻¹ , equipment:rotational viscometer, upper limit value	2 500 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	4 500 mPas
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 4.5 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 19 mm ² /s
Copper corrosion, DIN 51811, (lubricating grease), 24h/60°C	1 - 60 corrosion degree
Drop point, DIN ISO 2176	approx. 140 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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.

**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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