

# ISOFLEX TOPAS NCA 51

Synthetic low-temperature and long-term grease



## Your benefits at a glance

- Synthetic long-term grease with a wide service temperature range
- Very low starting and running torque even at low temperatures
- Lubricating film spreads particularly well
- Good protection against wear
- Good anti-corrosion properties
- Resistant to ageing
- Excellent low-temperature behaviour
- Particularly suitable for the lubrication of small gears

## Your requirements - our solution

ISOFLEX TOPAS NCA 51 is a special synthetic low-temperature and long-term grease. It consists of a synthetic hydrocarbon oil and a special calcium soap.

### Application

Its excellent low-temperature properties make ISOFLEX TOPAS NCA 51 suitable for the automotive and other industries.

Small adjustment gears are reliably protected against wear throughout their useful life.

ISOFLEX TOPAS NCA 51 ensures constant low breakaway torques at friction points. These outstanding characteristics are required especially for the lubrication of seals in pneumatic installations.

### Application notes

ISOFLEX TOPAS NCA 51 is easy to apply to the lubrication point by means of brushes or common metering equipment.

### 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	ISOFLEX TOPAS NCA 51
Can 1 kg	+
Bucket 25 kg	+
Characteristics	ISOFLEX TOPAS NCA 51
Article number	004205
Colour space	beige
Texture	homogeneous
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> , equipment: rotational viscometer, lower limit value	2000 mPas
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> , equipment: rotational viscometer, upper limit value	4000 mPas
Density at 20 °C	ca. 0,88 g/cm <sup>3</sup>
Drop point, DIN ISO 2176, IP 396	>= 200 °C

# ISOFLEX TOPAS NCA 51

Synthetic low-temperature and long-term grease



Characteristics	ISOFLEX TOPAS NCA 51
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	ca. 30 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	ca. 5,9 mm <sup>2</sup> /s
Copper corrosion, DIN 51811, (lubricating grease), 24h/120 °C	1 - 120 corrosion degree
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 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.

Klüber Lubrication München GmbH & Co. KG /  
Geisenhausenerstraße 7 / 81379 München / Germany /  
phone +49 89 7876-0 / fax +49 89 7876-333.

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.

Publisher and Copyright: Klüber Lubrication München GmbH & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München GmbH & Co. KG and if source is indicated and voucher copy is forwarded.