

ISOFLEX TOPAS NCA 152

Synthetic grease for plain and rolling bearings



Benefits for your application

- Synthetic long-term grease with a wide service temperature range
- Good wear protection
- Resistant to oxidation and ageing

Description

ISOFLEX TOPAS NCA 152 is a synthetic long-term grease for a wide service temperature range. It consists of synthetic hydrocarbon oil and special calcium soap. It is resistant to oxidation and ageing, and it protects reliably against wear.

Application notes

The lubricant is applied by brush or conventional metering systems. Owing to the many different elastomer compositions, we recommend having their compatibility checked by the elastomer manufacturer prior to series application.

Application

Owing to its good low-temperature properties, ISOFLEX TOPAS NCA 152 is suitable for plain and rolling bearings, including those used in automotive engineering. It is also suitable for fan and pump bearings, and it can be used in plastic/steel and plastic/plastic components.

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 TOPAS NCA 152
Can 1 kg	+
Bucket 25 kg	+

Product data	ISOFLEX TOPAS NCA 152
Article number	004212
Lower service temperature	-40 °C / -40 °F
Upper service temperature	140 °C / 284 °F
Colour space	beige
Texture	fibrous
Texture	homogeneous
Density at 20 °C	approx. 0.85 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 100 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 15 mm ² /s
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	4 000 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, upper limit value	8 000 mPas
Copper corrosion, DIN 51811, (lubricating grease), 24h/120 °C	1 - 120 corrosion degree



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Product data	ISOFLEX TOPAS NCA 152
Speed factor (n x dm)	approx. 600 000 mm/min
Drop point, DIN ISO 2176	> 190 °C
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 80 years.

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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.

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