ISOFLEX TOPAS NCA 152

Synthetic grease for plain and rolling bearings

Your benefits at a glance

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

Your requirements - our solution

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

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.

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.

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
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

Characteristics	ISOFLEX TOPAS NCA 152
Article number	004212
Colour space	beige
Texture	fibrous , homogeneous
Service temperature, lower limit	-40 °C
Service temperature, upper limit	140 °C
Density, Klüber method: PN 024, 20°C	approx. 0.91 g/cm³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, lower limit	4000 mPas

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Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, upper limit	8000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 15 mm^2/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 100 mm^2/s
Copper corrosion, DIN 51811, 24 h, 120°C	1 - 120 - 24 corrosion degree
Dropping point, DIN ISO 2176 / IP 396	≥ 190 °C
Four-ball tester, welding load, DIN 51350-4	≥ 3400 N
Speed factor (n x dm)	approx. 600000 mm/min
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.

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