

ISOFLEX® TOPAS NCA 52

Synthetic long-term grease for plain and rolling bearings



Description:

ISOFLEX TOPAS NCA 52 is a synthetic long-term grease for a wide service temperature range. It consists of synthetic hydrocarbon oil and special calcium soap, and it has good pressure absorption properties.

Application:

ISOFLEX TOPAS NCA 52 is suitable for plain and rolling bearings, and for small gears subject to high specific loads. It is also used in plastic/plastic and plastic/steel components. The low base oil viscosity ensures low starting torques even at low temperatures.

Application notes:

The lubricant is applied by brush, spatula, grease gun or grease cartridge. Owing to the different compositions of elastomers and plastic materials, compatibility tests are indispensable before series application.

Minimum shelf life:

The minimum shelf life is approx. 36 months if the product is stored in the original closed container in a dry place.

Pack sizes:

400 g cartridge
1 kg can
25 kg bucket

ISOFLEX TOPAS NCA 52

- synthetic long-term grease
- good pressure absorption
- low starting and running torque
- good wear protection
- resistant to oxidation and ageing

Product data:

Colour	beige
Texture	homogeneous short-fibred
Density at 20 °C, g/cm ³ , approx.	0.89
Service temperature range*, °C, approx.	- 50 to 130
Drop point, DIN ISO 2176, °C	> 220
Worked penetration, DIN ISO 2137 (ASTM D 217); 0.1 mm	265 to 295
Copper corrosion (lubricating grease), DIN 51 811, after 24 h / 120 °C, corrosion rating	1 – 120
Base oil viscosity, DIN 51 562/1 at 40 °C, mm ² /s, approx. at 100 °C, mm ² /s, approx.	30.0 5.6
Speed factor** (n x d _m), mm x min ⁻¹ , approx.	1,000,000
Apparent dynamic viscosity***, Klüber viscosity grade	L/M

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechanical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

** Speed factors are guide values which depend on the type and size of the rolling bearing type and the local operating conditions, which is why they have to be confirmed in tests carried out by the user in each individual case.

*** Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease; S = heavy lubricating grease; ES = extra heavy lubricating grease