

ISOFLEX TOPAS NCA 152

Synthetic grease for plain and rolling bearings



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 protects reliably against wear.

Applications

Its good low-temperature properties make ISOFLEX TOPAS NCA 152 suitable for plain and rolling bearings, including those used in automotive engineering. It is also suitable for fan and pump bearings and can be used in plastic/steel and plastic/plastic material pairings.

Application notes

The lubricant is applied by brush or conventional metering systems. Because there are so many different compositions within the elastomer and plastic material families, series application must be preceded with compatibility tests.

Minimum shelf life

Minimum shelf life is approx. 36 months if the product is stored carefully in its original unopened pack in dry rooms.

Pack sizes

1 kg can
25 kg hobstock

Current material safety data sheets can be downloaded from our website www.klueber.com or requested from Klüber Lubrication.

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

Product data

Colour	beige
Texture	homogeneous, short-fibred
Density, at 20°C, [g/cm ³], approx.	0.85
Service temperature range*, [°C], approx.	-40 to 140
Drop point, DIN ISO 2176, [°C]	> 190
Cone penetration of lubricating greases, DIN ISO 2137, worked penetration at 25°C, [0.1mm], approx.	265 to 295
Copper corrosion, DIN 51811, 24h/120°C, corrosion rating	1 – 120
Kinematic base oil viscosity, DIN 51562 T01, Ubbelohde, 40°C, [mm ² /s], approx. 100°C, [mm ² /s], approx.	100 15
Speed factor**, (nxd _m), [mm/min], approx.	600,000
Apparent dynamic viscosity***, Klüber viscosity grade	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

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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