ISOFLEX TOPAS L 152

Rolling bearing grease for a wide service temperature range

Your benefits at a glance

- Wide service temperature range and excellent low-temperature stability owing to the special synthetic base oil
- Recommended for roller bearings due to the adequate oil separation behaviour, particularly under sliding friction conditions

Your requirements - our solution

You produce or you are user of high friction roller bearings and are looking for a fully synthetic roller bearing grease with a wide working temperature range. ISOFLEX TOPAS L 152 gives you excellent performance even at low temperatures. It consists of a synthetic hydrocarbon oil and a lithium thickener. Due to its uniform oil separation behavior, ISOFLEX TOPAS L 152 in particular protects rolling bearings with a high coefficient of sliding friction against premature wear.

Application

ISOFLEX TOPAS L 152 is used for rolling bearings, e.g. in electric motors where smooth running is required and a wide range of temperatures is to be covered, e.g. in traction motors.

The grease can also be used for the main bearings in wind power stations and plastic/plastic or plastic/steel friction points.

- Axlebox bearings with line contact, e.g. railways
- Applications requiring low starting torques at low temperatures

Application notes

ISOFLEX TOPAS L 152 can be applied by spatula, brush or grease gun. Owing to the many different elastomer and plastic compositions their compatibility has to be checked prior to series applications.

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 L 152
Cartrigde 370 g	+
Can 1 kg	+
Bucket 25 kg	+

Characteristics	ISOFLEX TOPAS L 152
Article number	004144
Composition, thickener	lithium soap
Composition, type of oil	synthetic hydrocarbon oil
Colour space	beige
Texture	homogeneous , short fibrous
Service temperature, lower limit	-50 °C
Service temperature, upper limit	150 °C
Density, Klüber method: PN 024, 20°C	approx. 0.88 g/cm³

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Characteristics	ISOFLEX TOPAS L 152
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
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 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 14.5 mm^2/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 100 mm^2/s
Copper corrosion, DIN 51811, 24 h, 100°C	1 - 100 - 24 corrosion degree
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Oil separation, ASTM D6184, 30 h, 100°C	≤ 4 % by weight
Dropping point, DIN ISO 2176 / IP 396	≥ 185 °C
Oxidation stability, ASTM D942, 100 h, 100°C, pressure drop	≤ 0.3 bar
Speed factor (n x dm)	600000 mm/min
Water resistance, DIN 51807-1, 3 h, 90°C	≤ 1 - 90 rating
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 95 years.

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