

ISOFLEX TOPAS L 152

Rolling bearing grease for a wide service temperature range



Benefits for your application

- **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**

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 |
|--------------|---------------------|
| Can 1 kg | + |
| Bucket 25 kg | + |

| Product data | ISOFLEX TOPAS L 152 |
|--|---------------------------------|
| Article number | 004144 |
| Chemical composition, type of oil | synthetic hydrocarbon oil |
| Chemical composition, thickener | lithium soap |
| Lower service temperature | -50 °C / -58 °F |
| Upper service temperature | 150 °C / 302 °F |
| Colour space | beige |
| Texture | homogeneous |
| Texture | short-fibred |
| Density at 20 °C | approx. 0.88 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 |
| 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 |
| 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. 14.5 mm ² /s |
| Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water | <= 1 corrosion degree |



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| Copper corrosion, DIN 51811, (lubricating grease), 24h/100°C | 1 - 100 corrosion degree |
| Oil separation, ASTM D 6184 [FTMS 791 C 321], after 30 h/100 °C | <= 4 % by weight |
| Drop point, DIN ISO 2176, IP 396 | >= 185 °C |
| Oxidation stability of lubricating greases, ASTM D942, 100 h/99 °C, pressure drop | <= 0.3 bar |
| Speed factor (n x dm) | 600 000 mm/min |
| Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating | <= 1 - 90 |
| 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.

**Klüber Lubrication München SE & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.**

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