

ISOFLEX TOPAS OPN 4

Synthetic thread and sealing grease



Your benefits at a glance

- Thread and sealing grease
- Wide service temperature range
- Resistant to oxidation and ageing
- Good sliding friction properties at low temperatures
- Good corrosion protection

Your requirements - our solution

ISOFLEX TOPAS OPN 4 is a synthetic thread and sealing grease for precision engineering applications and optical components. It consists of synthetic hydrocarbon oil and barium complex soap. It protects against corrosion, is resistant to oxidation and ageing, and can be used in a wide service temperature range.

Application

ISOFLEX TOPAS OPN 4 is suitable as a sealing grease for lens threads and adjusting units in photo and precision optical equipment, and as an instrument grease in telecommunications, data processing and precision engineering applications.

ISOFLEX TOPAS OPN 4 is particularly adhesive and has good low-temperature properties, thus ensuring uniform actuation torques at

low temperatures. Condensation is not expected on optical glass surfaces.

Application notes

The lubricant is applied to the clean friction point by brush or spatula. Owing to the different compositions of elastomers and plastic materials, compatibility tests are indispensable before 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 OPN 4
Can 1 kg	+
Bucket 25 kg	+

Characteristics	ISOFLEX TOPAS OPN 4
Article number	004132
Colour space	beige
Texture	homogeneous , short fibrous
Service temperature, lower limit	-35 °C
Service temperature, upper limit	150 °C
Density, Klüber method: PN 024, 20°C	approx. 1.00 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	210 0.1 mm

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Characteristics	ISOFLEX TOPAS OPN 4
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	230 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹	approx. 10000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 5.9 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 30 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	1 corrosion degree
Dropping point, DIN ISO 2176 / IP 396	> 220 °C
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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