

ISOFLEX® TOPAS L 32 and L 32 N

Special low-temperature greases

Benefits for your application

- Exceed OEM requirements of -40°C
 - Long service life due to high corrosion protection and resistance to oxidation and ageing
 - Many years of successful use in the automotive industry (specified and approved by most car manufacturers and component suppliers worldwide)
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Application

ISOFLEX® TOPAS L 32 and L 32 N are especially used for the lubrication of small gears used in automotive engineering for electrical adjustment mechanisms, e.g. window lifters, sun roofs, seats, headlamps, fan flaps.

Both products have been approved by renowned car manufacturers, such as

Volkswagen VW TL 778 A
DaimlerChrysler DBL 6827.40 and
DaimlerChrysler DBL 6827.41.

ISOFLEX® TOPAS L 32 and L 32 N can also be used for:

- guideways, bowden cables, door locks
- rolling bearings in small motors, fans, pumps
- tooth flanks with plastic/plastic (e.g. POM, PA and PE) or plastic/steel material combinations.

Description

ISOFLEX® TOPAS L 32 and L 32 N have been designed for extremely low temperatures. These greases consist of a synthetic hydrocarbon oil and a special lithium soap. ISOFLEX® TOPAS L 32 and L 32 N are resistant to ageing and oxidation and provide good corrosion protection as well as water resistance.

ISOFLEX® TOPAS L 32 N also contains a UV indicator, which ensures quality checking even with minimum quantity lubrication.

Application notes

The lubricant is applied by spatula, brush, grease gun or cartridge.

Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack sizes

1 kg can
25 kg bucket
170 kg drum

ISOFLEX® TOPAS L 32 also in 370 g cartridges

Safety data sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.



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Product data	ISOFLEX TOPAS L 32 und L 32 N
Color	beige
Texture	homogeneous, short-fibred
Density at 20 °C, [g/cm³], approx.	0,86
Service temperature range*, [°C]	-60 to 130
Drop point, DIN ISO 2176, [°C]	> 185
Worked penetration, DIN ISO 2137, at 25 °C, [0,1 mm]	265 - 295
Consistency, DIN 51818, NLGI	2
Speed factor**, (n x d _m), [mm x min], approx.	1,000,000
Apparent dynamic viscosity, Klüber viscosity grade***	L
Corrosion protection, DIN 51802 (SKF-Emcor), 1 week, distilled water, corrosion rating	0/1
Water resistance, DIN 51807 part 01, 3h/90 °C, rating	1 - 90
Flow pressure, DIN 51805, at -35 °C, [mbar]	max. 450

* 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 mechano-dynamical 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

Lubrication is our world

With more than 2000 products available around the world, you can be sure that Klüber has the right product for your application. Please contact Klüber Lubrication specialists worldwide to assist you in all matters regarding lubrication.

www.klueber.com

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