

Klübersynth LP 42-32

Low-temperature grease with solid lubricant



Benefits for your application

- Synthetic low-temperature grease
- Inhibits fretting corrosion
- Thermally stable, does not become pasty
- High resistance to wear and corrosion
- UV indicator for quality assurance at 366 nm
- Starter grease acc. to Bosch standard N28 FT 1022-002 (formerly VS 18570-Ft)

Description

Klübersynth LP 42-32 is a dynamically light, fully synthetic lubricating grease. The service temperature range is approx. -50 °C to 150 °C. In contrast to conventional greases, Klübersynth LP 42-32 does not become pasty under thermal load, and its flow limit is not increased. Instead, this grease becomes a little softer, thus preventing wear particles and dust from making the lubricant pasty. Lubricity is ensured for a longer period. The product's good ageing resistance and its excellent corrosion and wear protection make it an ideal long-term and lifetime lubricant. Machine elements lubricated with Klübersynth LP 42-32, achieve very low starting and running torques even at extremely low temperatures.

Application

Owing to its excellent low-temperature characteristics, Klübersynth LP 42-32 is the preferred product for metal/metal contacts in the automotive industry. It reduces abrasive wear and fretting corrosion, and extends the life of machine elements

which operate in the mixed friction regime and are subject to shocks and vibrations. Klübersynth LP 42-32 is used in helical splines, pinion bearings and sleeves with lubricating pockets and planetary gears used in starters.

Application notes

Klübersynth LP 42-32 is applied by brush or spatula, or with conventional metering systems.

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	Klübersynth LP 42-32
Can 1 kg	+
Bucket 25 kg	+
Bucket 50 kg	+

Product data	Klübersynth LP 42-32
Article number	004153
NLGI grade, DIN 51818	2
Lower service temperature	-50 °C / -58 °F
Upper service temperature	150 °C / 302 °F
Colour space	beige
Texture	short-fibred



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Product data	Klübersynth LP 42-32
Texture	short-fibred
Density at 20 °C	approx. 1.00 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
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 25 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 5 mm ² /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Copper corrosion, DIN 51811, (lubricating grease), 24h/120 °C	<= 2 - 120 corrosion degree
Drop point, DIN ISO 2176, IP 396	>= 180 °C
Flow pressure of lubricating greases, DIN 51805, test temperature: -50 °C	<= 1 400 mbar
Oil separation, ASTM D 6184 [FTMS 791 C 321], after 30 h/100 °C	<= 6 % by weight
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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.

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