

# Klübersynth P 84-52 G

Efficiency-increasing speciality lubricant for open slideways in sunroofs



## Benefits for your application

- Reduces NVH (noise, vibration, harshness) while offering good washout resistance
- Constant smooth operation over a wide temperature range
- Reduced frictional resistance, even at low temperatures

## Description

Klübersynth P 84-52 G is a washout-resistant and dynamically light speciality lubricant based on synthetic hydrocarbon oil and special PTFE. Its good adhesion on metal surfaces makes it suitable for open slideways subject to dusty and wet environments. A particular highlight is its good compatibility with plastics over a wide service temperature range. The lubricant is coloured complementary to common slideway materials (black finished Al, natural anodisation and cathodic electro-immersion painting).

surrounding media. Klübersynth P 84-52 G offers significant friction reduction in bearing or slideway components and good noise damping.

## Application notes

The lubricant can be applied by means of spatula, brush, grease gun, automatic dosing devices or central lubrication systems (single-line systems). We recommend conducting a metering test in the original dosing device under practical operating conditions prior to use.

## Application

Klübersynth P 84-52 is particularly suitable for friction points with plastic / plastic or plastic / metal combinations. It is recommended for open slideways, e.g. in panorama sunroofs in vehicles. It can also be used for spindle drives and spur and worm gears subject to condensation or the influence of

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübersynth P 84-52 G
Can 1 kg	+
Bucket 30 kg	+

Product data	Klübersynth P 84-52 G
Article number	004288
Lower service temperature	-50 °C / -58 °F
Upper service temperature	130 °C / 266 °F
Colour space	grey
Density at 20 °C	approx. 1.10 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	285 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	315 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 50 mm <sup>2</sup> /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Oil separation, DIN 51817 K, after 18 h/40 °C	<= 5 % by weight
Low-temperature torque, IP 186, -50 °C, running	<= 100 mNm



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Low-temperature torque, IP 186, -50 °C, start	<= 1 000 mNm
Flow pressure of lubricating greases, DIN 51805, test temperature: -55 °C	<= 1 400 mbar
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.	12 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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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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