

# WOLFRACO WF 52

Lubricant for hot forming of brass and aluminum



## Benefits for your application

- Good flowing properties of pressed parts
- Smooth surface finish
- Low smoke formation
- Low degree of contamination
- Easy cleaning of tools
- Long tool life
- Economical application

## Description

WOLFRACO WF 52 is lubricant for hot forming of brass and aluminum. It consists of mineral oil and synthetic hydrocarbon oil and is free from solid lubricants.

WOLFRACO WF 52 reduces friction between the die and the formed part even at die temperatures above 300°C. The lubricant film improves the material flowing properties particularly under extreme conditions ensuring the formation of a smooth material surface finish.

## Application

WOLFRACO WF 52 is used for hollow and solid pressing of brass and aluminum parts with an individual weight of 100 to 4,000 grams, e.g.

- valves and fittings (brass)
- synchronization rings with internal and external gears (brass)
- wheel suspensions, suspension arms (aluminum)
- small garnishes for the furniture industry (brass and aluminum)

## Application notes

WOLFRACO WF 52 is a ready-to-use product which is applied to the die by spraying or by brush. It does not ignite at common die temperatures. There is very little smoke and residue formation in the die, i.e. press contamination is therefore reduced to a minimum. Stir well before use.

## 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	WOLFRACO WF 52
Canister 20 l	+

Product data	WOLFRACO WF 52
Article number	042128
Chemical composition, type of oil	synthetic hydrocarbon oil
Chemical composition, type of oil	mineral oil
Appearance	turbid
Colour space	yellow
Texture	liquid
Density, DIN 51757, 20 °C	approx. 0.92 g/cm <sup>3</sup>



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Product data	WOLFRACO WF 52
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C, lower limiting value	39 mm <sup>2</sup> /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C, upper limiting value	44 mm <sup>2</sup> /s
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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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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