

SF10 perma Food Grade Grease

Food Grade Lubricant



Description

perma SF10 is a food grade lubricant offering good wear protection. It is authorized in accordance with USDA-H1 and meets the German and European food regulations. It is suitable for all friction points where an incidental, technically unavoidable contact with the food product cannot be excluded.

perma SF10 has no smell or taste and is not harmful to health if applied as directed. It is resistant to all ambient media commonly found in the food processing industry, e.g. alcohol, milk and dairy products or water. Owing to its consistency, perma SF10 is readily pumpable in perma Lubrication Systems even at low temperatures.

Application

perma SF10 is generally suitable for all lubrication points in the food processing industry where there might be an incidental, technically unavoidable contact with the food product. We recommend, however, to apply perma SF10 to all friction points to avoid unintentional spreading.

Application examples:

- Metering pistons in cup filling and sealing machines
- Plain bearings in fish filleting machines
- Rolling bearings in fruit presses
- Rolling and plain bearings in cellarage installations
- Guide rods and ball-type bushings in packaging machines

- Dies in tablet presses
- Cylindrical roller bearings in rotary autoclaves
- Tubular tracks in slaughterhouses

Application notes

Clean all bearings lubricated with a different grease before applying perma SF10.

If the greases are miscible, relubrication with perma SF10 is sufficient. Rolling bearings should be cleaned prior to the initial application of the lubricant. The lubricant is applied by perma Lubrication Systems. Avoid over-lubrication. The friction points can be cleaned with a commercial cleaning agent.

Minimum shelf life

The storage period of perma SF10 is 2 years if stored in the original closed container in a dry

perma SF10

- Authorized in accordance with USDA-H1
- Excellent wear protection
- Pumpable in perma Lubrication Systems even at low temperatures
- Resistant to all ambient media found in the food processing industry, e.g. alcohol, milk and dairy products

place. Once opened, close the container thoroughly to protect the grease against contamination.

Pack size

perma Lubrication Systems
400 ccm - cartridges on request
(for pre-lubrication with manual grease gun)

Product data

Colour	beige, almost transparent
Texture	fibred, almost homogeneous
Flow pressure, DIN 51 805 at – 30 °C, mbar	< 1000
Water resistance, DIN 51 807 3 h at 50 °C, rating 3 h at 90 °C, rating	1–50 1–90
Consistency, NLGI grade, DIN 51 818	1
Service temperature range*, °C	– 40 to 120
Speed factor** ($n \cdot d_m$), approx.	$3 \cdot 10^5$

* 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 mechanical 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.

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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