

CASSIDA GREASE FC Series

Synthetic high temperature greases for extreme operating conditions

Performance Features

- Excellent high and low temperature performance
- Outstanding resistance to washout with water, steam and organic solvents
- Good oxidation, radiation and mechanical stability
- Effective corrosion prevention characteristics
- Good adhesive properties
- Neutral odour and taste
- Excellent rubber and elastomer compatibility
- Chemically inert or non-reactive in contact with strong acids, alkalis and halogens
- CASSIDA GREASE FC is not compatible with other greases. All equipment must be carefully cleaned before applying it.



Roller bearings



High temperature



Partner Programme



NSF registered

Certifications and Specifications

- NSF H1
- Kosher
- Halal

Description

CASSIDA GREASE FC 1 and 2 are high performance high temperature greases specially developed for the lubrication of bearings and seals working at extreme running temperatures or in aggressive environments, and in filled for life equipments in food and beverage processing machinery. They are based on a very stable synthetic

Product Information

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thickener and base fluids with carefully selected additives chosen for their ability to meet the stringent requirements of the food industry at elevated temperatures. Registered by NSF (Class H1) for use where there is potential for incidental food contact. Produced according to FLT Quality Standards, in facilities where HACCP audit and Good Manufacturing Practice have been implemented and form part of the quality and hygiene management systems ISO 9001 and ISO 21469.

Applications

- Lubrication where components might be exposed to reactive chemicals and gases i.e. carbonic, citric and acetic acids, vinegar concentrate, sodium and potassium hydroxides, acid or alkaline cleaners, bleaching agents, etc.
- Plain and rolling element bearings.
- Miniature bearings and precision instruments.
- Joints, linkages and mechanical seals.
- Lubrication of plastic and rubber components where excellent elastomer compatibility is required.
- Bearings and seals exposed to alcohols, ketones and organic solvents.

General Instructions

DO NOT expose to temperatures higher than +300 °C. CASSIDA GREASE FC is not soluble in water and most petroleum based or commonly used organic solvents (hydrocarbons, alcohols, ethers, esters, etc.). It is soluble in highly fluorinated organic solvents. Perfluoro-octane is recommended solvent for cleaning surfaces lubricated with CASSIDA GREASE FC.

Seal and Paint Compatibility

Compatible with EPDM and other elastomers, gaskets, seals and paints normally used in food machinery lubrication systems.

Handling and Storage

All food grade lubricants should be stored separately from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0 °C and +40 °C. Provided that the product has been stored under these conditions we recommend that the product be used within 3 years from the date of manufacture. Upon opening a pack, the product must be used within 2 years (or within 3 years of date of manufacture, whichever is the sooner).

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Product Information

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Technical Data: CASSIDA GREASE

Characteristics	FC 1	FC 2	Unit	Test Method
NSF Reg. No.	144808	144809		
Color	White	White		
Structure	Smooth paste	Smooth paste		
NLGI grade	1	2		DIN 51818
Type of thickener	PTFE	PTFE		
Worked penetration [+25 °C]	310 - 340	265 - 295	1/10 mm	ISO 2137
Kin. Visc. (base oil) at +40 °C	510	510	mm ² /s	ISO 3104
Kin. Visc. (base oil) at +100 °C	47	47	mm ² /s	ISO 3104
Dropping point	None	None	° C	ISO 2176
Operating temperatures	-25 to +260	-25 to +260	° C	LV0124
short-term peak	+280	+280	° C	
Classification DIN	KP FK 1 U-20	KP FK 2 U-20		DIN 51502
Classification ISO	L-XDGHA 1	L-XDGHA 2		ISO 6743-9

LV = Laboratory Specification

Typical for current production. Variations in these characteristics may occur.

As far as we know this information reflects the current state of knowledge and our research. It cannot, however, be taken as an assurance about the properties nor as a guarantee of the suitability of the product for the individual case in point. Before using our products the purchaser must, therefore, check their suitability and be satisfied that the output will be satisfactory. Please be aware that our products must not be used for applications in nuclear primary circuits or on-board aerospace systems. Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without prior announcement, unless otherwise provided in customer-specific agreements. With the publication of this product information sheet, all previous editions cease to be valid.

We are specialized in developing products for extreme tribological problems in cooperation with end users.

FUCHS LUBRICANTS GERMANY provides service and individual advice. Please contact us!

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