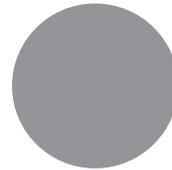


# CASSIDA GREASE FC Series

## Product Information

Synthetic high temperature greases for extreme operating conditions



**CASSIDA GREASE FC 1 and 2** are high performance hightemperature 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 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.

### CERTIFICATIONS AND SPECIFICATIONS

- NSF H1
- Kosher
- Halal



## 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.

## OPERATING TEMPERATURES

- From -25 °C up to +260 °C continuous operating temperature CASSIDA GREASE FC gives long grease life and can be used in filled for life applications.
- **DO NOT expose to temperatures higher than +300 °C.**

## 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).

## 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.

## SOLUBILITY AND CLEANING

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.

## TYPICAL CHARACTERISTICS (Typical for current production. Variations in these characteristics may occur.)

		CASSIDA GREASE FC	
		1	2
Property	Test Method		
NSF Reg. No.		144808	144809
Colour		White	
Structure		Smooth paste	
Type of thickener		PTFE	
Worked penetration at +25 °C 1/10 mm	ISO 2137	310 - 340	265 - 295
NLGI number	DIN 51818	1	2
Kin. Visc. (base oil) at +40 °C mm <sup>2</sup> /s	ISO 3104	510	
Kin. Visc. (base oil) at +100 °C mm <sup>2</sup> /s	ISO 3104	47	
Dropping Point °C	ISO 2176	None	
Classification DIN	DIN 51502	KP FK 1 U-20	KP FK 2 U-20
Classification ISO	ISO 6743-9	L-XDGHA 1	L-XDGHA 2



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As far as we know these information reflect the current state of knowledge and our research. They 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 the suitability and be satisfied that the output will be satisfactory. Our products are continually being up-dated. We reserve the right, therefore, to alter the information of this product information at any time and without prior announcement. We are specialized in developing products for extreme tribological problems in cooperation with end users. FUCHS LUBRITECH provides service and individual advice. Please contact us! E-Mail: [cassida.lubricants@fuchs-lubritech.de](mailto:cassida.lubricants@fuchs-lubritech.de)