

CASSIDA Product Information



LUBRITECH
Special Application Lubricants

FM GREASE CSC EP Series

High performance extreme pressure grease for food and beverage processing equipment



Roller Bearings



Plain Bearings



Extreme Pressure



Slideways



Linkages, Pins



NSF registered

Description

FM GREASE CSC EP 1 and 2 are specially developed for the grease lubrication of machinery in the food and beverage processing and packaging industry.

They are based on calcium sulphonate complex thickener, white oils and select additives chosen for their ability to meet the stringent requirements of food and beverage industry.

Registered by NSF (Class H1) for use where there is potential for incidental food contact.

Certifications and Specifications

- NSF H1
- Kosher

Performance Features

- Outstanding extreme pressure and antiwear properties.
- Excellent water washout and water resistance.
- Neutral odor and taste
- Excellent corrosion protection
- Excellent pumpability
- High dropping point
- Operating Temperatures: -20 °C to +140 °C [short term peak up to +160 °C]

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Applications

- Plain and roller bearings
- Recommended for a wide range of applications like slides and ways, mechanical linkage, electric motor bearings, pump shaft bearings etc.
- NLGI 2 grade is also recommended for those applications where the grease is exposed to high temperatures, steam, and centrifugal action causing throw-off
- NLGI 1 grade will work well in many centralized automatic 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 32 °F and 100 °F. 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 the date of manufacture, whichever is sooner).

Typical characteristics

Property	FM GREASE CSC EP 1	FM GREASE CSC EP 2	Unit	Test Method
Colour	Off White	Off White		
Type of thickener	Calcium sulphonate complex	Calcium sulphonate complex		
Worked penetration	310-340	265-295		ASTM D 217
Dropping Point	316 (600)	316 (600)	°C (°F)	ASTM D 2265
4-Ball Weld	400	400	kgf	ASTM D 2596
4-Ball Scar Diameter	0.44	0.5	mm	
Water washout, +79 °C	<1	< 1	% Loss	ASTM D 1264
Kin. Visc. (base oil) at +40 °C	105	105	mm ² /s	ASTM D 445
Kin. Visc. (base oil) at +100 °C	11.7	11.7	mm ² /s	ASTM D 445
Viscosity Index	99	99		ASTM D 2270

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

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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: Lubritech-US@fuchs.com