

CASSIDA Product Information



LUBRITECH
Special Application Lubricants

FM GREASE AX/EP Series

High performance extreme pressure grease for food and beverage processing equipment



Roller Bearings



Extreme Pressure



NSF registered

Description

FM GREASE AX/EP 0, 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 aluminum complex thickener, white oils and selected additives chosen for their ability to meet the stringent requirements of food and beverage industry.

Certified by NSF for ISO 21469 and registered by NSF (Class H1) for use where there is potential for incidental food contact. Produced according to LUBRITECH 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
- NSF ISO 21469
- Kosher
- Halal

Performance Features

- Operating Temperatures: -15 °C (5 °F) to 121 °C (250 °F) [peak up to 129 °C (265 °F)]
- Excellent extreme pressure and antiwear properties
- Good water resistance
- Good adhesive properties reduces losses thereby reducing grease consumption
- Good corrosion prevention properties

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- Good oxidation and mechanical stability
- Neutral odor and taste

Applications

- Enclosed industrial gearboxes (AX/EP 0|1)
- Automatic, centralized lubrication systems (AX/EP 0|1)
- Plain and rolling element bearings (AX/EP 0|1|2)
- Joints, linkages and slides (AX/EP 2)
- Recommended for a wide range of applications (AX/EP 2)

Seal and paint compatibility

Compatible with the 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 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).

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Typical characteristics

Property	AX/EP 0	AX/EP 1	AX/EP 2	Unit	Test Method
NSF Reg. No.	133335	133334	133333		
Appearance	Off white	Off white	Off white		
Type of thickener	Aluminum complex	Aluminum complex	Aluminum complex		
Worked penetration	373	318	285		ASTM D 217
NLGI number	0	1	2		
Kin. Visc. (base oil) at +40 °C	180	180	180	mm ² /s	ASTM D 445
Kin. Visc. (base oil) at +100 °C	20	20	20	mm ² /s	ASTM D 445
Dropping Point	>240 (464)	>240 (464)	<260 (464)	°C (°F)	ASTM D 2265
4-Ball Weld	400	400	400	kgf	ASTM D 2596
Copper Corrosion	1b	1b	1b		ASTM D 130
Rust Protection	PASS	PASS	PASS		ASTM D 1743

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@fuchsus.com