

## ULTRAPLEX FG (RANGE)

### HIGH-PERFORMANCE FOOD GRADE GREASE

#### DESCRIPTION

**ULTRAPLEX FG** is a grease for high loads and long-term lubrication under difficult environmental conditions. It is formulated with medicinal white oil base and synthetic hydrocarbons, reinforced with additives and solid lubricants to improve its performance. An aluminium complex soap thickening agent is used, which is highly resistant to temperatures.

#### APPLICATIONS

Especially indicated for lubricating open or closed points under tough working conditions: exposure to environmental humidity, vibration, steam, dirt, high loads and pressures. Thanks to its properties, the lubrication periods can be extended.

For plain and ball bearings that work at medium speeds under difficult environmental conditions up to a speed factor of approximately 500,000 (speed factor: average bearing diameter in mm X the rotation speed in r.p.m.).

Especially appropriate for application at bottling plants, food packaging plants (cappers in the canned food

industry and vegetable-fruit warehouses), pelleting machines, purification plants, etc.

#### ULTRAPLEX FG 00 / 0

⇒ Suitable for gearboxes and central lubrication systems

#### PROPERTIES

- Excellent adherence and sealing capacity, even in the presence of cold or hot water, salt water and steam.
- Protects against corrosion.
- Working temperature from -20° to +130° C. It can withstand temperature peaks of 180° C.
- High resistance to ageing and to shearing.
- High capacity to withstand loads and extreme pressure.

#### QUALITY LEVEL

- ISO – L – XBIB 00 / 0 / 1 / 2
- Certified NSF H1 / HALAL



#### TECHNICAL CHARACTERISTICS

	Method	Typical values				Un.
		00	0	1	2	
	<b>ULTRAPLEX FG</b>					
Appearance		White-yellowish grease				
Penetration at 25 °C	ASTM D-217	415	370	325	284	mm <sup>-1</sup>
Variation at 10 <sup>5</sup> strokes	ASTM D-217	n.a.	n.a.	375	324	mm <sup>-1</sup>
Dropping point	ASTM D 566	n.a.	240	240	240	°C
Base oil viscosity	ASTM D 445	150				cSt
Wear scar, 4 ball test	ASTM D 2266	0,55	0,55	0,55	0,55	mm
Welding load, 4 ball test	ASTM D 2596	315				kg
Water resistance at 90 °C	DIN 51807/T1	n.a.	n.a.	0	0	
Oil separation	IP - 121	n.a.	n.a.	6	4,1	%
Nº Register NSF		149205	149206	149207	149208	
Nº Register Halal	IH-682/2.4/B/76	/4/7	/4/8	/4/9	/4/10	

(\* n.a.- not applicable)

The information provided in this document is based upon our best knowledge at the date of revision indicate, and is subject to changes without prior notice. Such information does not release the user from testing the product in their own application. The data indicated represent average values and do not constitute product specifications. For more information please contact COGELSA Technical Support. COGELSA is not liable for damages caused by improper use of the product.

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#### HANDLING AND STORAGE

Handling not subject to special requirements. Throughout the lifespan of the product:

- Store separately from other lubricants, chemicals or foodstuffs.
- Protect from sunlight or other heat sources.
- Store at temperatures from 1°C up to +40°C.
- Keep container closed after opening.

The expiry date from date of manufacture is:

- NLGI consistencies 2 and 3 - 48 months
- NLGI consistencies 0 and 1 - 36 months
- NLGI consistencies 000 and 00 - 24 months

For further information and more product details, packaging and safety data sheets, please refer to our website [www.cogelsa.com](http://www.cogelsa.com) or contact us at: [info@cogelsa.com](mailto:info@cogelsa.com) or [export@cogelsa.com](mailto:export@cogelsa.com)

NOTE: During storage, ULTRAPLEX FG 00 grease may have an oil separation of several centimetres on the surface inside the drum. This is normal and does not mean that the grease is in bad condition. It is recommended to mix this oil with the lower 5-10 cm of grease using a clean spatula in a clean environment to avoid contamination.

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