

# ULTRAPLEX FG 462

## HIGH-PERFORMANCE FOOD GRADE GREASE

### DESCRIPTION

**ULTRAPLEX FG 462** 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. A 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 low and medium speeds under difficult environmental conditions up to a speed factor of approximately 250,000 (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.

### 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 150° C.
- High resistance to ageing and to shearing.
- High capacity to withstand loads and extreme pressure.

### QUALITY LEVEL

- ISO – L – XGBIB 2
- Certified NSF H1 / HALAL / KOSHER



### TECHNICAL CHARACTERISTICS

|                                      | Method       | Typical values         | Un.              |
|--------------------------------------|--------------|------------------------|------------------|
| Appearance                           | -            | White-yellowish grease | -                |
| Penetration at 25 °C                 | ASTM D-217   | 285                    | mm <sup>-1</sup> |
| Variation at 10 <sup>5</sup> strokes | ASTM D-217   | 320                    | mm <sup>-1</sup> |
| Dropping point                       | ASTM D 566   | 250                    | °C               |
| Base oil viscosity                   | ASTM D 445   | 500                    | cSt              |
| Wear scar, 4 ball test               | ASTM D 2266  | 0,55                   | mm               |
| Welding load, 4 ball test            | ASTM D 2596  | 315                    | kg               |
| Water resistance at 90 °C            | DIN 51807/T1 | 0                      |                  |
| Flow pressure at -20°C               | DIN 51 805   | 414                    | mbar             |
| Nº Register NSF                      |              | 155624                 |                  |
| Nº Register Halal                    |              | IH-682/2.4/B/76/4/11   |                  |
| Nº Register Kosher                   |              | UKF0353462             |                  |

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 is 48 months from date of manufacture.

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)