

## 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. 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 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 150° 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> | <b>00</b>              | <b>0</b> | <b>1</b> | <b>2</b> | <b>-</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.                   | 210      | 230      | 250      | °C               |
| Base oil viscosity                   | ASTM D 445          | 140                    | 140      | 140      | 140      | 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                    | 315      | 315      | 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)

REV: 2/19

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