



## G. BESLUX CAPLEX M-00 ATOX

### HIGH PERFORMANCE GREASES WITH HIGH RESISTANCE TO WATER ACTION AND HEAVY LOADS. NSF H-1 CERTIFIED



Nonfood Compounds  
Program Listed H1  
(Registration # 025696 )

Grease specially designed for the lubrication of any mechanism which requires a food grade lubricant that might be in incidental direct contact with food products.

G. BESLUX CAPLEX M-1 ATOX is formulated with complex soap, white polibutene, authorized additive package and solid lubricants. They are provided with excellent lubricating properties and a high resistance to water action, and then they are very suitable for the lubrication of mechanisms and bearings exposed to the combined action of water and loads.

Presently it is difficult to find a lubricant which is provided with both good lubricating properties and food grade characteristics. Most of the thickeners and base oils give very good lubricating properties but are not allowed by the Health Laws to be used as food grade lubricant.

G. BESLUX CAPLEX M-1 ATOX is capable of supporting very stringent lubrication requirements being all the raw materials allowed by the Spanish Health laws and by the Foods and Drugs Administration (FDA). It is approved at the NSF H-1 (formerly USDA H-1), with the 025696 registration number.

G. BESLUX CAPLEX M-1 ATOX can be used in mechanisms such as bearings operated within -20 and 150°C temperatures with speed factor approx.  $5 \times 10^5$  with water and loads.

Thanks to their superior resistance to water they are very suitable for the lubrication of chains operated under the intermittent and continuous water action such as food conveyor chains (packing industry, abattoirs).

G. BESLUX CAPLEX M-1 ATOX can be used in valves or taps for the water conduction, assuring a correct lubrication its parts more critics.

The greases G. BESLUX CAPLEX M ATOX are available in NLGI class 00, 0, 1 and 2.

#### BENEFITS

- Food grade greases.
- High resistance to water action and loads
- High adherence.
- White coloured.
- White solid lubricants

#### APPLICATIONS

- General mechanisms and bearings in the food industry.
- Slide ways, chains etc.
- Valves and water taps lubrication.
- Bearings exposed to medium load and high temperatures from -20 to 150°C, VF = 500.000.

#### STANDARDS AND REGISTERS

- Sanitary food register RGSA 37-00218/B RSIPAC 37-04076/CAT.
- Foods and Drugs Administration (FDA).
- National Sanitary Foundation (NSF) H-1 class
- ISO 6743/9 grease specification: L-XBCHB1
- DIN 51825 grease specification: KP1K-20

#### CAUTIONS

- The usual ones when handling and using lubricants..
- Avoid mixture with different nature greases.
- Keep the can closed to avoid contamination.
- There is available the MSDS of the product, according to the effective European normative.

#### PHYSICAL – CHEMICAL CHARACTERISTICS

Colour	White
Thickener	Aluminium complex
NLGI consistency	Grade 00
Worked penetration 60W, (x 0,1 mm)	310 – 340
Drop point, (°C)	>240
Flow pressure at -20°C, (mbar)	Max 1200
4-ball-test : - welding load, (kg) - wear diameter 1h/40kg, (mm)	Min 350 Max 0,7
Dynamic viscosity at 25°C, (mPa·s)	2000 - 3600
EMCOR corrosion test, (max)	degree 1
Copper corrosion at 100°C, (max)	1 b
Oxidation stability at 100hr/100°C, (kg/cm <sup>2</sup> )	Max -0,4
Evaporation loss at 100°C, (%)	Max 0,6
Water resistance, 90°C	Max. 0
Water washout resistance at 80°C, (%)	Max 8
Oil separation at 40°C, (%)	Max 10
Operating temperatures : - Continuous, (°C) - Peak, (°C)	-20 to 130 150

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