



Nonfood Compounds
Program Listed H1
(Registration # 025697)

G. BESLUX CAPLEX M-2 ATOX

HIGH PERFORMANCE GREASE OF VERY HIGH RESISTANCE TO WATER AND LOADS, NSF H-1

DESCRIPTION

Grease specially developed for the lubrication of all those mechanisms that require a food grade lubricant, and that may have incidental direct contact with food products.

G. BESLUX CAPLEX M-2 ATOX grease, formulated based on a complex aluminium soap, polybutene, additives and authorized white solid lubricants. They also have excellent lubricating qualities and high resistance to water, making it very suitable for lubricating mechanisms or bearings, which are subjected to the action of water and loads.

The current problem lies in the difficulty of having a lubricant with non-toxic characteristics and having very good lubricating properties. A large majority of thickening additives provide good lubricating properties, but they are not authorized by the competent Sanitary Legislation for use as good grade lubricants.

G. BESLUX CAPLEX M-2 ATOX grease is capable of withstanding very high lubrication demands, all its constituent raw materials being authorized by Spanish Health Legislation and by the "Foods and Drugs Administration" (FDA). It is also approved by the Natural Sanitary Foundation (NSF) (Type H-1).

G. BESLUX CAPLEX M-2 ATOX grease can be used in mechanisms such as bearings that work at a temperature of -20 to 150°C, with speed factors of approx. 5×10^5 , in the presence of water and under the action of loads.

Its high resistance to water makes it very suitable for the lubrication of chains that may suffer the continuous or intermittent action of water, as can occur in chains in food transport chains (slaughterhouses, packing industry, etc.).

G. BESLUX CAPLEX M-2 ATOX grease can be used in valves or taps for conducting water, ensuring proper lubrication of its most critical parts.

ADVANTAGES

- Food grade grease.
- High resistance to water and loads.
- High adherence.
- Presence of white solid lubricants.

APPLICATIONS

- Bearings and mechanisms in general in the food industry.
- Guides, chains, etc.
- Lubrication of valves and water taps.
- Bearings subjected to medium and high loads at temperatures from -20 to 150°C, with $FV 5 \times 10^5$.

STANDARDS AND RECORDS

- Food sanitary Registry RGSA 37-00218/B RSIPAC 37-04076/CAT_i.
- National Sanitary Foundation (NSF), type H-1, with registration number 025697.
- Specification ISO 6743/9 grease type L-XBCHB2.
- DIN 51825 specification grease type KP2K-20.

CAUTIONS

- Normal precautions should be taken in the use and handling of lubricating products.
- Avoid mixing this grease with others of a different nature.
- Keep containers closed to prevent contamination.
- We have at your disposal the product Safety Data Sheet, in accordance with current European regulations.

CONSISTENCIES

G. BESLUX CAPLEX M ATOX greases are also designed in various NLGI consistencies (000, 00, 0, 1, 2).



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PHYSICAL-CHEMICAL CHARACTERISTICS

Characteristics	Standard	Typic values	Unit
Colour	-	Ivory	-
Thickener	-	Aluminium complex	-
NLGI consistency	DIN 51818	Grade 2	-
Worked penetration 60W at 25°C	ASTM D-217	285	0,1 mm
Flow pressure at -20°C	DIN-51805	1.000	mbar
Drop point	ASTM D-566	270	°C
4 balls test - Welding load - Wear scar diameter 1h/40Kg	IP-239	400 0.6	Kgf mm
EMCOR corrosion test	DIN-51802	Grade 1	-
Copper corrosion at 100°C	ASTM D-4048	1b	-
Oxidation stability 100h/100°C	ASTM D-942	-0.1	-
Evaporative loss at 100°C/22h	ASTM D-972	0.4	%
Water resistance at 90°C	DIN 51807	Grade 0	-
Resistance to washing with water at 80°C	ASTM D-1264	4	%
Oil separation at 40°C/7 days	DIN 51817	4	%
Dinamic viscosity at 25°C/300 s ⁻¹	G047.03	5.000	mPa·s
Application temperature	-	-20 to 130 (peak 150)	°C