



G. BESLUX ATOX H-1/2

HIGH PERFORMANCE FOOD GRADE GREASE



Nonfood Compounds
Program Listed H1
(Registration # 134358)

DESCRIPTIONS AND PROPERTYS

Designed per the utmost technology and manufacturing processes of food grade greases. High performance grease intended for the food and pharm industry.

Thanks to the excellent physical-chemical characteristics of the thickener the grease is provided with a superior affinity to metal and high stability to mechanic work. Formulated with a high lubricating capacity synthetic oil, **G.BESLUX ATOX H-1/2** will operate in a wide range of service temperatures (within -40 and 180°C).

The additive package provides outstanding anticorrosive, antirust, anti-wear and E.P. properties, then **G.BESLUX ATOX H-1/2** shows high lubricating capacity in very stringent service conditions.

Long life. Slow aging. It will improve the re-lubrication frequency and consequently reduce the consumption and residues level.

All **G. BESLUX ATOX H-1/2** components have been approved by the Guideline of Security 21 CFR 1783570 FDA and it is classified **H-1 class** by the **NSF** (formerly USDA H-1), with the 134358 registration number.

G. BESLUX ATOX H 1/2 can be use in all bearings and mechanisms whenever there is possibility of incidental contact with food (**NSF H-1**).

BENEFITS

- Wide range of service temperatures (within -40 and 180°C)

PHYSICAL CHEMICAL CHARACTERISTICS

Colour	White
Thickener (soap type)	Aluminium complex
Base oil nature	Synthetic
NLGI consistency	Grade 1/2
Unworked penetration at 25°C, (0,1mm)	290 – 310
Worked penetration 60W, (0,1mm)	290 – 310
Worked penetration 10 ⁵ W, (0,1mm)	Max. +60
Drop point, (°C)	Min. 240
Flow pressure at -35°C, (mbar)	Max. 1000
4 balls test : - Welding load, (kg) - Scar diameter 1 ¹ / ₈₀ kg, (mm)	Min.400 Max. 0,45
EMCOR Corrosion test	0/0 max
Oxidation stability, 100°C, (kg/cm ²)	Max. 0,5
Evaporation loss, 100°C, (%)	Max. 1
Service temperature, (°C)	-40 to 180

- Excellent lubricating capacity. Load resistant.
- Long life lubrication.
- High resistance to water, vapour, alkalis (detergents), light acids.
- Superior unctuosity and adherence. High sealing capacity.
- High compatibility with rubbers and elastomers.
- Food grade, NSF H-1 class.
- High anticorrosive capacity.

APPLICATIONS

- Bearings in stringent operating conditions at medium and low speed [VF = 400.000, (DM x RPM)].
- Bearing and mechanisms operated between - 40 and 180°C, peak temperature 200°C
- Bearings, joints and slides of tin-sealing machines in the food industry.
- Bearings and mechanisms in freezing equipments.
- Conveyors chains in the food and drug industry.
- Lubrication of ovens and kilns bearings.
- Lubrication of bearings in general in the food industry and mechanisms in the beverage industry.
- Lubrication of valves and taps in the food industry.

CAUTIONS

- The usual ones when handling and using lubricants.
- Keep the cans closed to avoid contamination.
- Do not mix with different nature greases.
- There is available the MSDS of the product according to the effective European normative.

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