



G. BESLUX FLUOR H-2

HIGH PERFORMANCE FLUORINATED AND FOOD GRADE GREASE



Nonfood Comounds
Program Listed H1
(Registration # 136455)

DESCRIPTION

G. BESLUX FLUOR H-2 is a white, homogeneous and butter-like perfluorinated polyether grease. It is particularly resistant to oxygen, to chemical agents and to high temperatures.

G. BESLUX FLUOR H-2 can be used in contact with water, hot water, steam, oils, fuels, acids, alkalis, solvents (not fluorinated), chlorinated solvents, etc.

The continuous operating temperature is maximum 260°C, but it can reach up to 280°C peak temperatures in short period.

All raw materials used in the formulation are authorized by the SPANISH LEGISLATION HEALTH and appear in the positive lists of FOOD AND DRUGS ADMINISTRATION (FDA). It appears in the NSF H-1 approved category (previously USDA H-1), with registration number 136 455.

APPLICATIONS

G. BESLUX FLUOR H-2 has an exceptional heat and chemical stability as a high performance lubricant in:

- All kind of application in food industry.
- Electric motor bearings.
- Roller bearings in furnace wagon wheels.
- Thermally stabilized ball bearings in clip chains.
- Creeper chain bearings in drying plants.
- Re-enter bearings in creeper chains.
- Tenter chains with bearings.
- Vacuum unit.
- Handling and pumping of alkaline products and acids.
- Handling and pumping of petrol, fuel oils, and oils.
- Handling and pumping of solvents.

- Generally, wherever a long life lubricant is needed with limit temperatures and stringent environmental conditions.

PROPERTIES

As stated herein, **G. BESLUX FLUOR H-2** is insoluble in most of the solvents, this is why such solvents are not suitable for the cleaning of mechanisms and tools used in contact with the product.

In order to remove **G. BESLUX FLUOR H-2** from the parts without any problem, fluorinated solvents should be used.

CAUTIONS

In tests run on animals, **G. BESLUX FLUOR H-2** shows very low ingests and skin toxicity, so it is not dangerous for the operators.

If, for any reason, this product is heated over 300°C, the inhalation must be avoided since the gas residues from its thermic degradation are toxic and irritative. This is why smoking must be avoided when handling the product.

WAY TO USE

G. BESLUX FLUOR H-2 must be applied onto perfectly clean parts, free of any type of contamination or protection such as oil, grease, anti-rust protectors, dust, etc.

PACKAGING

There are different capacities of supply. Contact our Export Department for any further enquiry.

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The information contained in this document faithfully reflects our present technical knowledge, besides it provides a suitable description of the product characteristics and enumerates the different applications the product can be suitable for. In any case, the user will have to make sure of the adjustment of the product for each particular use. **Brugarolas S.A.** reserves the right to make modifications in the products after the date of edition of the present document in order to improve its quality and optimize its output. The values of the given physic-chemical characteristics are typical values. The specification sheets in force are at your disposal for each of the products.



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RESISTANCE TO SYNTHETIC MATERIALS AND ELASTOMETERS

Cellulose acetate	Unalterable
Polyacetal resine	Unalterable
Polyamides	Unalterable
Polyethylene	Unalterable
Polycarbonates	Unalterable
Polyurethane	Unalterable
Polytetrafluoroethylene	Unalterable
Ethyl-propyl-terpolymer rubber	Unalterable
Butadiene-acrylonitrile rubber	Unalterable

PHYSICAL – CHEMICAL CHARACTERISTICS (Typical values)

Thickener	Organic
Base oil	PFPE
Colour	White
Density at 25°C, (g/cm ³)	1,97
NLGI consistency	Grade 2
Worked penetration at 25°C, (0,1 mm)	280
Worked penetration at 60W, (0,1 mm)	285
Drop point, (°C)	>300
Oxidation stability, 100°C, (Kg/cm ²)	0
EMCOR corrosión	Grade 0
Evaporation loss, (%)	
- 22h/65°C	0
- 22h/120°C	0
- 22h/200°C	0,1
- 22h/260°C	1,2
Oil separation, (%):	
- 30h/65°C	4,75
-30h/200°C	10,9
- 30h/260°C	15,7
Water resistance, 90°C	Grade 0
Welding load, (Kg)	>700
Operating temperature, (°C)	-30 to 260

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