



Nonfood Compounds
Program Listed H1
(Registration # 136455)

G. BESLUX FLUOR H-2

HIGH PERFORMANCE FLUORINATED GREASE

DESCRIPTION

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

G. BESLUX FLUOR H-2 can be used in contact with hot and cold water, vapor, fuel, acids, alkaline products, non-fluorinated solvents, chlorinated solvents, etc.

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 136455 registration number.

Continuous operating temperature : 260°C. Can stand 280°C peak temperature in short period.

G. BESLUX FLUOR H-2 is provided with exceptional stability to heat and chemical agents and shows high efficiency in :

- Electric motors bearings.
- Roller bearings in furnace wagon wheels.
- Thermically 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, oils.
- Handling and pumping of solvents.
- Generally wherever a long life lubricant is needed with limit temperatures and stringent environmental conditions.

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.

To remove **G. BESLUX FLUOR H-2** from the parts without any problem, fluorinated solvents should be used such as our **BESLUX FLUOR DL SOLVENT**.

APPLICATION

Must be applied onto perfectly clean parts, free of any type of contamination or protection such as oil, grease, anti-rust protectors, dust, etc.

RESISTANCE TO SYNTHETIC MATERIALS AND ELASTOMERS:

- Cellulose acetate	unalterable
- Polyacetal resin	"
- Polyamides	"
- Polyethylene	"
- Polycarbonates	"
- Polyurethanes	"
- Polytetrafluorethylene	"
- Ethyl-propyl-terpolimer rubber	"
- Butadiene-acrylonitrile rubber	"

CAUTIONS

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

Should be given the circumstance of being heated over 300° C, the inhalation shall be avoided as the gas residues from its thermic degradation are toxic and irritative. This is why smoking must be avoided when handling the product.

There is available the MSDS of the product according to the effective European normative.

PHYSICAL-CHEMICAL CHARACTERISTICS

Colour	White
Thickener, soap type	Organic
Base oil nature	Fluorinated polyester
Penetration at 25°C	265-295 x 0,1mm
Penetration at 60W	265-295 x 0,1mm
NLGI Class	2
Density at 25°C	1,90 – 2 g/cm ³
Drop point	min. 300°C
Oxidation stability, 100°C	0 bar
Evaporation :	
- Weight loss 22h./65°C	0
- Weight loss 22h./150°C	0,25 max.
- Weight loss 22h./200°C	1% max.
- Weight loss 22h./250°C	3,5% max.
Oil separation:	
- After 30h/65°C	0
- After 30h/100°C	3,5% max.
- After 30h/200°C	12% max.
EMCOR test corrosion	1 max.
Water resistance at 90°C	0 max.
4 balls test : - Welding load	Min. 800 kg
Operating temperature	-25 to 260°C

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