



Aluflos G2

HIGH PERFORMING "FOOD GRADE" SYNTHETIC LUBRICANT GREASE

Description

Aluflos G2 is a "food grade" synthetic lubricant grease PFPE based, it guarantees very high performances, excellent lubrication and protection to all mechanical components of the entire production chain of the food, pharmaceutical and cosmetic sector. The formulation of this product meets the non-toxicity criteria of H1 category and it is registered in the lists of the American body NSF International (*please visit <https://info.nsf.org/USDA/Listings.asp?Company=N10201>*); moreover, it can be used in the aerospace and electronics industries.

Aluflos G2 is formulated with inorganic thickener, selected synthetic base oils and additives which give the product excellent oxidation resistance and thermal stability even in presence of high temperatures; moreover, it has high loads resistance and excellent resistance to water and solvents.

Aluflos G2 structure guarantees long life in service and significant maintenance costs reduction.

Features

- ✓ **High oxidation resistance and thermal stability**, to ensure long life in service, to prevent deposits formation and to ensure long life to the product, reducing consumptions.
- ✓ **Excellent loads resistance**, to guarantee high performances even in presence of high pressures.
- ✓ **Excellent water resistance**, to guarantee high performances even in environments with a strong presence of water and humidity.
- ✓ **Excellent anti-rust and anti-corrosion properties**, to guarantee protection to all mechanical components.
- ✓ **High resistance to solvents**, to ensure product permanence even in presence of solvents.
- ✓ **No drop point**, which allow the grease to operate even at very high temperatures.
- ✓ **High adhesivity**, which guarantees proper lubrication even in presence of stress and vibrations.
- ✓ **Inert** towards oxygen and technical gases.

Main Uses

Aluflos G2 is indicated for the lubrication of :

- Plain or rolling bearings
- Pins, joints, guides, slides, skids, chains, other moving parts subject to vibrations or shaking
- Precision mechanisms
- Glands, valve seals, pumps and similar components operating in the presence of oxygen, including liquid, solvents and aggressive, corrosive and flammable fluids.

Certifications

ISO 6743-9

L-XCGIA 2

DIN 51825 / 51502

KL 2 U-30

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The final user is free to make his own tests and analysis. Aluchem reserves the right to update this document every time is needed.





Technical Data

	Method	Units	Typical Values
NLGI Consistency	ASTM D 217	-	1/2
Colour	-	-	White
Appearance	-	-	Homogeneous - Smooth -Translucent
Thickener	-	-	PTFE
Base oil viscosity	ASTM D 445	cSt	420
Dropping Point	ASTM D 566	°C	N D
Separation from Oil (30 hours at 204 °C)	FED-STD-791/321	%	11,2
Weight loss (22 hours at 204 °C)	ASTM D 2595	%	< 2
Anti-corrosion properties (Emcor test)	DIN 51802	-	0
4 Balls - Wear diameter	ASTM D 2266	mm	0,40

- **Aluflos G2** suggested usage thermal range : from -30 ÷ 288 °C.
- **Aluflos G2** is fully compatible and mixable with other greases formulated with the same thickener (PTFE) and/or synthetic oils except polyalkylene glycols (PAG). Furthermore, given the compatibility amongst base oils, in case of different thickeners, it is possible to replace the grease by adopting proper precautions.
- **Aluflos G2** is compatible with the most common types of seals and paints.
- Store the product in its closed original container in a protected area and not exposed to sunlight and rain.
- **Aluchem** owns the following certifications: UNI EN ISO 9001:2015, KOSHER, HALAL.

Product Tiering: Top

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