



Alugrease® FG HV

HIGH PERFORMANCE FOOD-GRADE SYNTHETIC LUBRICANT GREASE

Description

Alugrease® FG HV is a food-grade lubricant grease formulated with fully synthetic base oils and complex aluminum thickener, which guarantees high performance, excellent lubrication and protection to the mechanical parts of the entire production chain in the sectors: food, pharmaceutical and cosmetic.

The formulation of this product meets the non-toxicity criteria of category H1 and is registered in the lists of the American body NSF International (please visit <https://info.nsf.org/USDA/Listings.asp?Company=N10201>).

Alugrease® FG HV special formulation, gives the product excellent oxidation resistance and thermal stability over a wide range of temperatures, good water resistance, proper resistance to loads and good pumpability.

Alugrease® FG HV ensures steady lubrication to all mechanical parts, reduces re-lubrication intervals compared to other greases on the market, delivering significant maintenance costs reduction.

Features

- ✓ **High oxidation resistance and thermal stability**, to ensure long life in service and to prevent residues formation, reducing consumption.
- ✓ **Excellent anti-rust and anti-corrosion power**, to guarantee protection to all mechanical parts.
- ✓ **Good adhesiveness**, to guarantee proper lubrication even in the presence of stress and vibrations.
- ✓ **Good water resistance**, to guarantee high performances even in environments with a strong presence of water and humidity.
- ✓ **Excellent loads resistance**, to ensure high performances even in presence of high pressures.
- ✓ **High drop point**, allowing the grease to operate at high working conditions.
- ✓ **Good pumpability**, for centralized systems.

Main Uses

Alugrease® FG HV is designed for the lubrication of :

- Smooth and rolling bearings
- Gears and gearboxes
- Supports, rollers and presses of dicing machines
- Vaporizers and sterilizers
- Chains of dryers
- Pins and joints

Classifications

ISO 6743-9

DIN 51825 / 51502

L-XCEEA 0

L-XCEEA 1

KP 0 P-30

KP 1 P-30

The data in this TDS are based on our general knowledge and experience. Aluchem is not responsible for their use.
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 Value		
			0	1	2
NLGI Consistency	ASTM D 217	-	0	1	2
Colour	-	-	White Milk		
Appearance	-	-	Smooth - adhesive - slightly stringy		
Thickener nature	-	-	Complex Aluminum		
Base oil viscosity	ASTM D 445	cSt	220	220	220
Drop Point	ASTM D 566	°C	> 250	> 270	> 270
Oil Separation	ASTM D 1742	%	< 5	< 5	< 5
Washout resistance	ASTM D 1264	%	< 4	< 4	< 4
4-Ball wear diameter	ASTM D 2266	mm	0,80	0,80	0,80

- **Alugrease® FG HV** indicative thermal range of use from -30 ÷ 170 ° C.
- **Alugrease® FG HV** is compatible and miscible with greases formulated with the same thickener (Aluminum Complex) and with mineral and/or synthetic oils with the exception of those based on 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.
- **Alugrease® FG HV** 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

Alugrease® FG HV Rev. 2021/01 – Giu. 2021

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