

FRAGOL GREASE FG-AL PLUS 1.5

Synthetic H1 Food Grade Aluminium Complex Grease

FRAGOL GREASE FG-AL PLUS 1.5 is a high performance Poly-Alpha-Olefin (PAO) based, Aluminium Complex thickened grease with superior affinity to metal providing high lubricating capacity and resistance to extreme pressures in applications in the food-, feed- and pharmaceutical industries.

FRAGOL GREASE FG-AL PLUS 1.5 meets the requirements of FDA 21 CFR 178.3570 and is H1-registered for processes where incidental food contact can occur. All FRAGOL H1-registered products are manufactured according to ISO 21469:2006 which supports producers' HACCP and GMP programs. FRAGOL H1-lubricants do not contain ingredients of animal origin or genetically modified products and are KOSHER and HALAL certified.

APPLICATION

FRAGOL GREASE FG-AL PLUS 1.5 is recommended for use in food processing machinery, such as:

- Bearings operating at medium and low speed, DN=400,000 (DM x RPM)
- Bearings, joints and slides of tin-sealing machinery
- Bearings and mechanisms in freezing equipment
- Conveyor chains
- Bearings of ovens and kilns (peak temperature is 200 °C)
- Valves, taps and general bearing lubrication

For further information on other applications please contact our technical team.

TEMPERATURE RANGE

- 40 °C to 180 °C

SPECIFICATION

FRAGOL GREASE FG-AL PLUS 1.5 meets or exceeds the requirements of the following specification:

K1,5R-40 according to DIN 51825

BENEFITS

FRAGOL GREASE FG-AL PLUS 1.5 has advantages over mineral oil based and other synthetic greases due to its numerous benefits and is characterised especially by:

- Superior adherence, high sealing capacity
- Excellent lubricating properties
- High load carrying capacity
- Mechanical stability
- Good thermal resistance
- High resistance to water, vapour, alkalis (detergents), light acids
- High corrosion protection
- Long life, slow aging

COMPATIBILITY

FRAGOL GREASE FG-AL PLUS 1.5 is compatible with commonly used seals, gaskets, hoses and paints.

Greases from different chemistries should not be mixed. When change over is required thorough cleaning is recommended.

TYPICAL CHARACTERISTICS

FRAGOL GREASE FG-AL PLUS 1.5	Value	Unit	Method
Appearance	Smooth white paste		Visual
NLGI consistency	1.5		ASTM D-217
Base oil viscosity	150	mm ² /s	ASTM D-445
Worked penetration, 60 strokes @ 25 °C	290 – 310	0.1 mm	ASTM D-217
Penetration change, 100,000 strokes @ 25 °C	Max + 60	0.1 mm	ASTM D-217
Dropping Point	Min 240	°C	ASTM D-2265
4-Ball Weld Load	Min 400	Kg	ASTM D-2596
Corrosion protection (SKF EMCOR)	Max 0/0	-	ASTM D-6138
Evaporation loss @ 100 °C	Max 1	%	ASTM D-972

2013-02



All the above information is represented to the best of our knowledge. However, we do not take any legal responsibility for the correctness of this information or viability for use in certain applications. Technical data represent approximate values and are subject to the usual production fluctuations.