

## Allplex FMG-2 US

Aluminum complex thickened semi-synthetic lubricating grease for food processing applications

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### Benefits for your application

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- General purpose grease for food processing, beverage, and pharmaceutical applications
  - Good wear protection properties
  - NSF H1 registration # 140731
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### Description

Allplex FMG-2 US is an aluminum complex thickened semi-synthetic lubricating grease created specifically for the food, beverage, and packaging industries. The aluminum complex thickener system provides excellent water resistance and a broad operating temperature range. The special additive packages provide excellent anti-wear/extreme pressure properties, oxidation resistance, and corrosion prevention. Special additives are employed to keep the grease in place between wash-down cycles which improves equipment and lubricant life in wet conditions. Allplex FMG-2 US is NSF H1 registered.

### Application

Allplex FMG-2 US is ideal for lubrication of production equipment in beverage canning operations, bottling operations, meat and poultry processing, dairy operations, fruit and vegetable processing, bakeries, and pharmaceutical plants.

### Application notes

Allplex FMG-2 US may be applied by brush, spatula, grease gun or grease cartridge. Avoid over-lubrication.

Before applying Allplex FMG-2 US, the lubrication points should be thoroughly cleaned to ensure maximum hygiene, which is mandatory for H1 lubrication.

If the production process does not allow the machines and components to be cleaned, the grease can be replaced by relubrication. In this case, perfect H1 lubrication is only achieved after a certain time.

Please check with our Technical Consulting and Sales Department regarding the miscibility of our lubricants.

### Minimum shelf life

The minimum shelf life is approx. 5 years if the product is stored in its unopened original container in a dry, frost-free place.

### Pack sizes

14 oz Cartridge  
35 lb pail  
120 lb keg  
396 lb drum

### Material Safety Data Sheets

Material safety data sheets can be downloaded or requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.



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Product data	Allplex FMG-2 US
Color	White to slightly off white
Texture	Homogenous
Base Oil	Mineral Oil/PAO
Base Oil Kinematic Viscosity, ASTM D 446 at 40°C (cSt) at 100°C (cSt) Viscosity Index	138 17.5 140
Thickener Type	Aluminum Complex
Density at 20°C (g/cm <sup>3</sup> )	0.97
Service Temperature Range (°F)*	-20 to 290
NLGI Class	2
Drop Point (°F), ASTM D2265	> 500
Penetration, ASTM D217 Worked 60 dbl strokes 100,000 dbl strokes	280 308
Oil Separation, ASTM D6184 (% wt)	< 3
4-Ball Wear, ASTM D2266 (mm)	0.47
4-Ball Load Wear Index Last non-seizure Load (kg) Weld Load (kg)	64.3 100 400
Corrosion Preventative Properties, ASTM D 1743	Pass
Corrosion Preventative Properties EMCOR, ASTM D 6138	0
Water Washout, ASTM D 1264	3%
NSF Registered	H1

\* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

### Lubrication is our world

With more than 2000 products available around the world, you can be sure that Klüber has the right product for your application. Please contact Klüber Lubrication specialists worldwide to assist you in all matters regarding lubrication.

[www.klueber.com](http://www.klueber.com)

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The data in this product information is based on our general experience and knowledge at the time of printing and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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