



"The First in Synthetics"®

**For Superior Lubrication
in Food-Industry Equipment**

SYNTHETIC POLYMER FOOD GRADE GREASE

USDA Code H-1 Approved
Grade: NLGI No. 2

PRODUCT DESCRIPTION

AMSOIL Synthetic Polymer Food Grade Grease is an ultra-premium lubricant designed for the highest level of protection possible in food-industry equipment. Containing the finest non-toxic additives and thickeners available, AMSOIL Food Grade Grease provides stable performance in temperature extremes, resists friction and wear, and protects components against water washout. AMSOIL Food Grade Grease has the United States Department of Agriculture's (USDA) H-1 approval rating for grease lubricating machinery in which there is a possibility of incidental contact with food.

Remains Stable at Temperature Extremes

The synthetic polymers found in AMSOIL Food Grade Grease provide optimum lubricating performance in both low and high temperature extremes. AMSOIL Food Grade Grease provides exceptional lubricating protection at temperatures as low as 0°F (-18°C), and it resists heat and oxidation up to 275°F (135°C), a temperature range typical for most *non-food* grade grease lubricants. The pumpability of AMSOIL Food Grade Grease makes it excellent for automatic lubrication systems.

Prevents Rust and Corrosion

AMSOIL Food Grade Grease has excellent rust and corrosion inhibitors to protect moving parts against the formation of harmful rust and corrosion.

Reduces Friction and Wear

AMSOIL Food Grade Grease provides a tough lubricating film that eliminates metal-to-metal contact, reducing friction and heat generation. It protects components and machine parts against wear, scoring and seizure. AMSOIL Food Grade Grease extends the service life of machinery used in food processing.

Resists Water Washout

AMSOIL Food Grade Grease is extremely resistant to water washout. It remains in place when food processing equipment is exposed to water during washing and rinsing.

Provides Versatility

Food industry equipment, such as preparation, processing, and packaging machinery, requires special greases that must be both efficient and non-toxic. AMSOIL Food Grade Grease is H-1 rated by the USDA and can be used in virtually all food processing equipment. The finest non-toxic additives and thickeners are included in AMSOIL Food Grade Grease to provide optimum machine performance while keeping food safe.

Appearance

An attractive pure-white grease, GPF's pristine appearance complements the hygienic atmosphere important to food processing and packaging facilities.

APPLICATION

AMSOIL Synthetic Polymer Food Grade Grease is an anhydrous calcium (calcium 12-hydroxystearate) grease. AMSOIL Food Grade Grease is recommended for use in all types of equipment and machinery used to prepare, process, package and produce food in which incidental contact with the lubricant is possible.

COMPATIBILITY

AMSOIL Food Grade Grease is fully compatible with most synthetic and non-synthetic greases, including aluminum complex, barium, calcium, clay, lithium, lithium 12-hydroxystearate and lithium complex greases. It has borderline compatibility with calcium complex grease. It is incompatible with polyurea greases.

TYPICAL TECHNICAL PROPERTIES

AMSOIL Synthetic Polymer Food Grade Grease (GPF)

Thickener	Anhydrous calcium (Calcium 12-hydroxystearate)	Dropping Point (ASTM D-566)	144°C (292°F)
National Lubricating Grease Institute (NLGI) Consistency Grade	2	Oil Separation (ASTM D-1742) 24 Hours @ 25°C (77°F), % loss	3.4% typical
Operating Temperature Range	-18° to 135°C (0° to 275°F)	Bearing Leakage (ASTM D-1263) 6 Hours, 600 rpm, grams lost @ 104°C (220°F)	Pass
Penetration (ASTM D-217) Unworked, 25°C (77°F), 0.1 mm	265-295	Water Washout (ASTM D-1264) @ 79°C (175°F), % loss	4.6% typical

AMSOIL products and dealership information are available from your local AMSOIL Dealer.

