



Pure FM

PURE FM is a premium-quality, food-grade, synthetic polyalphaolefin (PAO) grease developed for use as a lubricant in applications where there is the possibility of incidental food contact. It is recommended for use in food processing, bottling and sanitary equipment operating at low or high temperatures.

PURE FM meets the requirements of NSF International (formerly U.S. FDA Regulation 21 CFR 178.3570 and USDA H-1 standards). It protects against corrosion and wear and has excellent resistance to water washout.

PURE FM is formulated with premium-quality synthetic PAO-base oil thickened with silica gel. It is compounded with special food-grade additives to provide protection against oxidation, rust and corrosion, and wear.

PURE FM is water resistant and provides excellent protection against oxidation, corrosion, and rust in applications where fruit acids or saline solutions are encountered. It also provides good protection against wear.

Applications

- Machinery used in canneries, meat and poultry plants
- Bottling plants and other food processing applications
- Seamers operating at high speeds and pressures
- Industrial applications requiring a transparent, nonstaining grease
- Applications where water pollution laws prohibit lubricants from leaving an oil sheen on the surface of the water, such as protecting dredging
- Cables immersed in seawater⁽¹⁾

⁽¹⁾ **Note:** Surfaces coated with Pure FM Grease will not leave an oil sheen when immersed in water, unlike conventional mineral oil based greases.

Outstanding Features

- Meets NSF Requirements
- Nonstaining
- 100% synthetic grease with low-evaporation base oil
- Excellent rust and corrosion protection
- Excellent resistance to water washout
- Protects against wear
- Wide operating temperature range
- Excellent oxidation stability at high temperature

**Premium Synthetic
Food Machinery
Grease; Meets NSF
International
(Formerly USDA
H-1) Standards**

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Pure FM
Typical Properties

	ASTM Test Method	
NLGI Grade		2
Thickener		Silica Gel
Color		Clear With Yellow Cast
Texture		Smooth
Density, lb/gal		7.30
Cone Penetration, (worked 60 strokes)	D217	280
Dropping Point, °F (°C)	D2265	650 (340)
Four-Ball EP, Weld Point, kgf	D2596	315
Four-Ball Wear, 75°C, mm		0.70
Oxidation Stability, 100 hrs, psi (kpa)	D942	2.5 (17.2)
Rust Preventive Rating	D1743	Pass
Water washout, 175°F, %	D1264	2.5
Base Oil Properties,		
cSt @ 40°C	D445	62.5
cSt @ 100°C	D445	9.8
SUS @ 100°F		320
SUS @ 210°F		60
Viscosity Index	D2270	135
Usable Temperature Range,		
°F		-40 to 400
°C		-40 to 204

Due to continual product research and development, the information contained herein is subject to change without notification.

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