

THERMAL-LUBE

MULTI-PURPOSE SEMI-SYNTHETIC ALUMINUM-COMPLEX FOOD MACHINERY GREASE

XLFG77

February 2026

XLFG77 FM Grease is a general-purpose semi-synthetic and zinc-free aluminum complex lubricating grease for food processing equipment including mixers, bakeries, fryers, cookers, cleaners, packaging machines, bottling machines, conveyors.

XLFG77 FM Grease is formulated with a blend of polyalphaolefins (PAO) and severely hydrotreated white oils to render a stable lubricating grease capable of operating over a wide temperature range.

XLFG77 FM Grease's zinc-free composition allows this grease to be used where silver-coated valves are utilized.

XLFG77 FM Grease is approved for use in food processing facilities and is listed under "NSF Nonfood Compounds Program Listed No:171841 Category Code: H1"

XLFG77 FM Grease offers the following advantages:

- General purpose
- Excellent mechanical stability
- High dropping point
- Supports high loads
- Zinc-free
- Reduces wear
- Water resistant
- Inhibits corrosion

TYPICAL SPECIFICATIONS

Product Code: XL0FG7	/001	/002
N.L.G.I. Grade:	1	2
Dropping point (°C) (ASTM D2265)	250	
Texture	Smooth	
Color	White	
Thickener	Aluminum Complex	
Thickener Content % (ASTM D128)	7-9	
Penetration @ 25°C After 60 strokes (ASTM D217)	320	280
Water Washout % Loss @ 80°C (ASTM D1264)	4.2	3.8
4-ball wear test, mm stripe, 40kg, 1200rpm, 75°C, 1 h (ASTM D2266)	0.55	
4-ball test EP, (kg) (ASTM D2596)	315	
Base Oil Viscosity (cSt @ 40°C) (ASTM D445) (cSt @ 100°C) (ASTM D445)	220 21.5	
Viscosity index (ASTM D2270)	117	
Operating Temperature (°C)	-25 to 160	-20 to 160
Oil Separation (ASTM D1742) % Loss	1.8-2.4	
Rust Test (ASTM D1743)	Pass	

Please Note:

For food processing facilities and industrial use only.
Avoid contamination of food during the use and storage of this product.
Do not add this product directly to food.



Nonfood
Compounds
Program Listed H1
171841



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