



# TECHNICAL DATA

Rev. 11/13

## SYN GEL FG-750

### PREMIUM SYNTHETIC FOOD GRADED LUBRICATING GREASE

**SYN GEL FG-750** Premium Food Grade Synthetic High Temperature Lubricating Grease/Gel is a 100% synthetic, polyalphaolefin (PAO), state of the art lubricant, formulated to reduce friction and wear.

**SYN GEL FG-750** Premium Food Grade Lubricating Gel will not melt, drip or carbonize. It provides corrosion protection, seals bearings from water and contamination, retains its structure and consistency while in service and remains stable under high shear and high temperature. SYN GEL FG-750 contains no soap additives and no harsh fillers. It will not emulsify and will perform exceptionally well in wet applications. It is virtually waterproof!

#### PERFORMANCE:

Choose SYN GEL FG-750 in food plants. SYN GEL FG-750 Premium Food Grade Lubricating Gels is tenacious, resilient lubricant that greatly extends lubrication intervals and cut production losses due to premature bearing failure. SYN GEL FG-750 reduces downtime and improves the performance of the equipment, making their use extremely cost effective.

SYN GEL FG-750 Premium Food Grade Lubricating Gel complies with FDA regulation 21 CFR 178.3570 for incidental food contact.

#### CHARACTERISTICS:

100% polyalphaolefin (PAO) base oil Non melting Extends lubrication intervals Food Quality (SYN GEL FG-750) Inert	Temperature range -4°F to 500°F Temperature range -20°C to 260°C Highly water resistant No soaps, fats or esters Extremely cost effective
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#### HOW TO APPLY:

SYN GEL FG-750 Premium Food Grade Lubricating Gel is applied in the same manner as conventional grease, with the bearing cavity being filled to approximately 1/3 capacity in most cases. Remember that SYN GEL FG-750 will last much longer than a conventional lubricant and adjust intervals accordingly.

#### COMPATIBILITY:

SYN GEL FG-750 Premium Food Grade Lubricating gel is compatible with conventional grease. However, the mixture will fall short of the properties of the Gel. For that reason, we strongly advise that, if at all possible, the old grease be purged or cleaned out before using the Lubricating Gel for optimum performance, longevity and yield. SYN GEL FG-750 contains no soap additives and no harsh fillers. It will not emulsify and will perform exceptionally well in wet applications. It is virtually waterproof.

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**PHYSICAL PROPERTIES:**

Property	Test Method	Typical Specification
Temperature Range		-4°F to 500°F (-20°C to 260°C)
NLGI Grade		2
Work Penetration 60 Stokes	ASTM D 217	RANGE: 265 TO 295
Dropping Point	ASTM D 2265	Non Melting
Viscosity Base Oil, cSt @ 40°C @ 100°C @ 100°F @ 212°F	ASTM D 445 ASTM D 445 ASTM D 445 ASTM D 445	460 46.5 2400 215
Wheel Bearing, 160°C Leakage (gram) Bearing Rating 24 hours at 100°C	ASTM D 4290	0.5 Pass
Oil Separation	ASTM D 6184	2.0%
Four Ball Wear Scar, mm	ASTM D 2266	0.8 mm.
% Volatile by Volume, 24 HR AT 100°C		0.2%
Density, 25° C		0.85 g/cc
Color	Visual	White
Odor		None
Water Resistance Water Washout at 79°/175°F	ASTM D1264	TBD
Food Quality		NSF H-1, Complies With FDA Regulation 21 CFR 178.3570

**HANDLING PRACTICES:**

For information on the safe handling and use of this product, refer to the Material Safety Data Sheet.  
For more information and availability, call 630-513-6350.