

# PRO-ROLL



## Technical Data Sheet:

**Pro-Roll™** Food Grade Grease is specifically formulated utilizing an overbased calcium sulfonate thickener along with other permitted ingredients such as anti-oxidants, and extreme pressure and anti-wear additives to improve pellet mill roll shell performance. **Pro-Roll™** outperforms all other industrial food grade greases such as lithium complex, calcium base, and even aluminum complex thickened greases. **Pro-Roll™** is NSF H1 approved which allows for incidental food contact.

PRO-ROLL Food Grade Grease		
Product Number	125146	Test Performed
Color	White	
Texture	Smooth, Tacky	
Thickener	Overbased Calcium Sulfonate	
NLGI Grade	2	ASTM D 217
Worked Penetration	265-295	ASTM D 217
Change in Pen after 100,000 strokes	< 20	
Roll Stability, % change	< 3%	ASTM D 1831
Drop Point, °F	550 +	ASTM D 2265
Viscosity @ 40°C, cSt	228 +	ASTM D 445
Viscosity @ 100°C, cSt	19.6	ASTM D 445
Viscosity Index	98	ASTM D 2270
4-Ball EP Load, kg	620	ASTM D 2596
Timken OK load, lbs	60	ASTM D 2509
Water washout @ 175°F, % wt	2	ASTM D 1264
Copper Corrosion	Pass	ASTM D 4048
Rust Test	Pass	ASTM D 1743

**Our Mission:** Food grade grease standards and utilization are going to continue to be enforced. The typical food grade grease used for pellet mill roller assemblies utilizes an aluminum complex thickener. Due to high number of bearing failures caused by this grease, Jacobs Corp set out to develop **Pro-Roll™** with a calcium sulfonate base to set the pellet mill food grade standard.

**PRO-ROLL**

**TESTING RESULTS:**  
Eliminated pre-mature bearing failure  
Eliminated GSC Spalling  
Up to 25% less run-out Trial  
-Competitor : 400lbs in 10 working days = 40lbs per day  
-ProRoll : 120lbs in 4-5 days = 30lbs per day!

**PRO-ROLL**

**AL-COMP GREASE**  
\$2,000 Bearing Replacement

Anti wear additives improves grease lubrication strength and keeps bearings smooth. Keeps bearings smooth and prevents the replacement of a \$2,000 Bearing.