

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 other industrial food grade greases such as Chevron FM CSC EP 2, Chevron Delo Heavy Duty EP 2, Lubriplate Synxtreme FG 2-220, and Purity™ FG2 Synthetic in areas such as viscosity index and worked penetration. Pro-Roll™ is NSF H1 approved which allows for incidental food contact.

Grease Comparative Specifications						
Grease Type	Jacobs Pro-Roll	Chevron FM CSC EP 2	Chevron Delo Heavy Duty EP 2	Lubriplate Synxtreme FG 2-220	Purity™ FG2 Synthetic Grease	Testing Standard
Product Number	125146	230206	222206	LO309-		
Color	White	Tan	Red	Tan	Tan	
Texture	Smooth, Tacky	Smooth, buttery	Stringy	Smooth		
Thickener, % type	Overbased Calcium Sulfonate	Calcium Sulfonate Complex 27.0%	Lithium Complex 13.0%	Calcium Sulfonate Complex	Calcium Sulfonate /Carbonate Complex	
NLGI Grade	2	2		2	2	
Worked Penetration	265-295	280	280	280	294	ASTM D 217
Change in Pen after 100,000 strokes	<20					
Roll Stability, % change	<3%					ASTM D 445
Drop Point, °F	550+	572	509	>600	579	ASTM D 2265
Viscosity @ 40°C, cSt	228+	100	383	198-242	50	ASTM D 445
Viscosity @ 100°C, cSt	19.6	10.8	25		7.8	ASTM D 445
Viscosity Index	98	90	85			ASTM D 2270
4-Ball EP Load, Kg	620	620	500	400	500	ASTM D 2596
Timken OK load, lbs	60	65	80		60	ASTM D 2509
Water washout @ 175°F, % wt	2	2.75	4	<1.0	0	ASTM D 1264
Copper Corrosion	Pass	Pass	Pass	Pass	Pass	ASTM D 4048
Rust Test	Pass	Pass	Pass	Pass	Pass	ASTM D 1743

Viscosity index determines film thickness and film strength. With a higher viscosity index value, there will be more stability in viscosity across a range of temperatures. **Wok penetration** measures grease consistency. The grease Consistency refers to the resistance to deformation by an applied force. Pro-Roll also performs highly on 4-Ball EP Load, which means highly resistant to spalling and lower frictional temperatures. Provided above is a technical data sheet that illustrates how Pro-Roll performs when compared to your current greases.

Pro-Roll Benefits:

- Less run out: saves money
- Lower bearing temperatures improves bearing life
- Superior rust resistance

Pro-Roll leaves the bearings coated in grease. These bearings can be re-used!



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Food Grade Grease



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www.JACOBSCORP.COM : JACOBS@JACOBSCORP.COM : Toll Free (800)-831-2005