



Brief Descriptio

An excellent conveyor chain material with a low coefficient of friction between a variety of materials. Extensive testing has proven that low friction materials can reduce wear up to 15% over plain acetal. Ideal for dry running applications and will permit greater operating speeds. Used to lower product backline pressure and minimize conveyor pulsation resulting in reduced chain flight wear and reduced chain elongation.

Primary Components

Patented blend of low friction acetal (POM) and lubricants.

General Information								
	Material -	Temperature						
Prefix		Farenheit			Celsius			FDA
		min	max		min	max		Approval
			dry	wet	111111	dry	wet	
LF	Low Friction (Tan)	-40	+180	+150	-40	+82	+66	Yes
WLF	White Low Friction	-40	+180	+150	-40	+82	+66	Yes

	Friction Factors Between Material and Product								
Onaratina	Product Material								
Operating Condition	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel		
Dry	0.20	0.20	0.15	0.30	0.20	0.20	0.25		
Water	0.15	0.18	0.13	NR	0.18	0.18	0.20		
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15		
Oil				NR			0.10		

Friction Factors Between Material and Wearstrips							
Operating Condition	Wearstip Material						
	Carbon and Stainless Steel	UHMWPE	Nylatron®				
Dry	0.25	0.20	0.20				
Water	0.20	0.18	0.18				
Soap and Water	0.15	0.15	0.15				
Oil	0.10	0.16	0.16				

Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

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U.S. Patent: 4436200

Additional Notes

^{**}Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.