



Brief Description

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								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
		dry	wet	min	dry	wet		
LF	Low Friction	-40	+180	+150	-40	+82	+66	✓
WLF	White Low Friction	-40	+180	+150	-40	+82	+66	✓

Friction Factors Between Material and Product							
Operating Condition	Product Material						
	Aluminum	Glass	Glass Returnable Bottles	Glass Non-returnable Bottles	Paper	Plastic (including PET)	Steel
Dry	0.20	0.15	0.20	0.15	0.30	0.20	0.25
Water	0.15	0.13	0.16	0.13	NR	0.18	0.20
Soap and Water	0.12	0.10	0.14	0.10	NR	0.15	0.15
Oil	---	---	---	---	NR	---	0.10

Friction Factors Between Material and Wearstrips			
Operating Condition	Wearstrip 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	0.10	0.10

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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Additional Notes