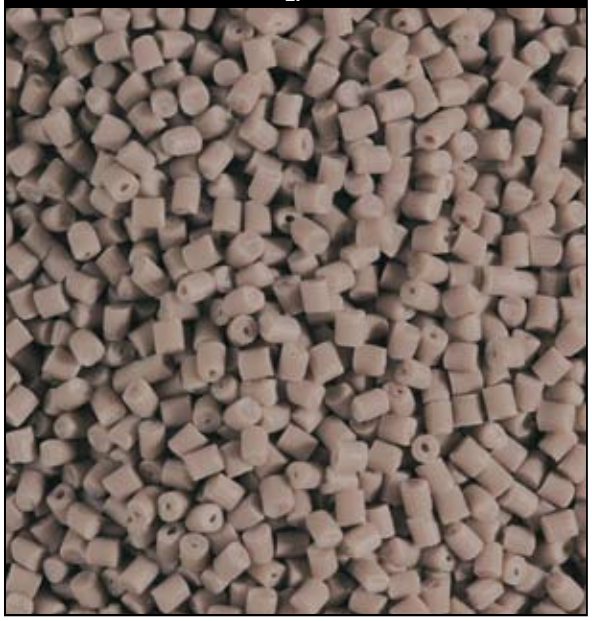
LF



WLF

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
		Farenheit			Celsius			
		min	max		min	max		
			dry	wet		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

Operating Condition	Product Material						
	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.

Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

U.S. Patent: 4436200

Additional Notes

NR denotes "not recommended", Dash denotes "combination not tested"

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