



### Brief Description

Patented Rexnord® High Performance Material has the lowest coefficient of friction of any chain or belt material. Extensive testing has proven that new high performance materials can reduce wear up to 40% over plain acetal and 25% over low friction acetal. Ideal for dry running applications and will permit greater operating speeds for aggressive applications in the beverage and container industry. Used to lower product backline pressure and to minimize conveyor pulsation resulting in reduced chain flight wear and reduced chain elongation.

## Primary Components

High performance, internally lubricated acetal (POM).

## General Information

Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
HP™	High Performance (Brown)	-40	+180	+150	-40	+82	+66	Yes
WHP	White High Performance	-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	0.18	0.20	0.12	0.23	0.18	0.18	0.18
Water	0.14	0.18	0.11	NR	0.16	0.16	0.16
Soap and Water	0.12	0.14	0.10	NR	0.14	0.14	0.13
Oil	---	---	---	NR	---	---	0.10

### Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.18	0.18	0.18
Water	0.16	0.16	0.16
Soap and Water	0.13	0.14	0.14
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.

Rexnord and HP are trademarks of Rexnord Industries, LLC.  
All rights reserved.

Nylatron is a registered trademark of  
Quadrant Engineering Plastics Products.

U.S. Patent: 4436200

### Additional Notes

[illegible]

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.