

Brief Description

Formulated to reduce or eliminate nuisance static buildup that can occur while conveying products or during product accumulation. Used to dissipate nuisance sparks for Class II type static environments only. Please contact Application Engineering at 262.376.4800 for specific uses for this material.

Primary Components

Electrically conductive acetal (POM).

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
AS	Anti-Static (Black)	0	+180	+150	-18	+82	+66	No

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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	NR	NR	NR	NR

Friction Factors Between Material and Wearstrips			
Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NR	0.16	0.16

- Additional Notes**
- Types of Static Environments:
Class I: Static spark causes explosion. Use stainless steel chain materials.
Class II: Static spark is a nuisance charge causing slight shock, possible circuit damage or electrical malfunction.
 - Electrical Properties: Surface resistivity = $10^3 \Omega/\text{sq}$.
 - Wearstrip Recommendations: Wearstrips must be grounded to the conveyor frame and must be electrically conductive to be effective. The conveyor frame should also be externally grounded.
 - Strength Considerations:
 - Rexnord® TableTop® & MatTop® Chains molded from anti-static material must be derated 40% from their acetal counterparts.
 - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from anti-static material must be derated 40% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
 - Depending on application requirements, the entire conveyor chain can be comprised of anti-static material or sections of antistatic material can be interspersed at various intervals.
 - AS friction factor should be used when interspersing AS links into any other material.

Regulatory Information

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Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

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.



Brief Description

Formulated to be used in applications where chain is subjected to very abrasive product surfaces. Used to convey irregularly shaped products such as castings and machined steel parts. May extend chain wear life up to five times compared to acetal materials.

Primary Components

Wear resistant nylon (PA).

General Information								
Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
BWR	Black Wear Resistant	-40	+180	NR	-40	+82	NR	No

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	---	---	---	NR	---	---	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.28	0.22	0.22
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	0.10	0.16	0.16

Regulatory Information

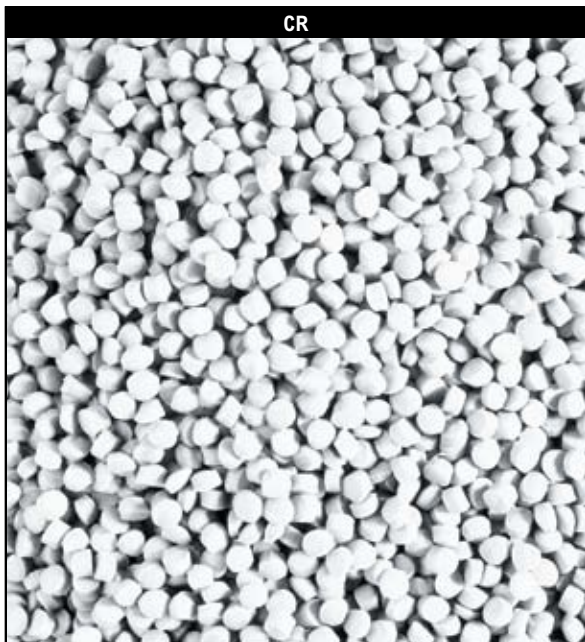
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Additional Notes

- Strength Considerations:
 - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from wear resistant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
- It is important to lubricate side-flexing chains in the corners to reduce noise levels at speeds in excess of 100FPM; water lubrication is unacceptable because it will cause melt resistant material to swell and lose strength.
- Not intended for wet applications due to expansion

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.



CR

Brief Description

Able to withstand nearly any harsh chemical environment, including applications where strong oxidizing agents, acids and bases such as sodium hydroxide, sulfuric acid, hydrochloric acid, hydrofluoric acid and iodine are present. Please contact Rexnord Industries, Inc. at (262) 376-4800 for specific uses for this material.

Primary Components

Fluorinated polymer

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
CR	Extreme Chemical Resistant (White)	+40	+240	+212	+4	+116	+100	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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
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	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
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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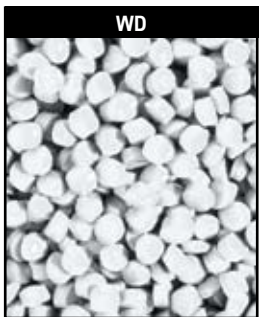
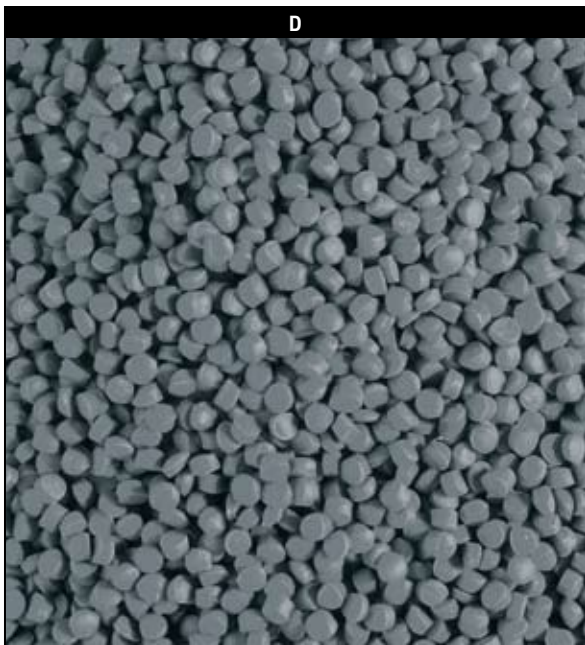
Additional Notes

1. Strength Considerations:

- Rexnord® TableTop® Chains molded from extreme chemical resistant material (with stainless steel pins) must be derated 20% from their acetal counterparts (with stainless steel pins).
- Rexnord® TableTop® Chains molded from extreme chemical resistant material (with plastic pins) must be derated 40% from their acetal counterparts (with stainless steel pins).
- Rexnord® MatTop® Chains molded from extreme chemical resistant material must be derated 20% from their acetal counterparts.
- Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from extreme chemical resistant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.

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.



Brief Description

A general-purpose conveyor chain material which has low friction, high strength, excellent wear life, superior fatigue resistance and is chemical resistant in a wide range of environments.

Primary Components

Acetal (POM).

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
D	Plain Acetal (Gray)	-40	+180	+150	-40	+82	+66	No
WD	White Plain Acetal	-40	+180	+150	-40	+82	+66	No

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.20	0.15	NR	0.20	0.20	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

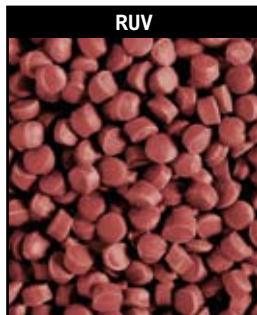
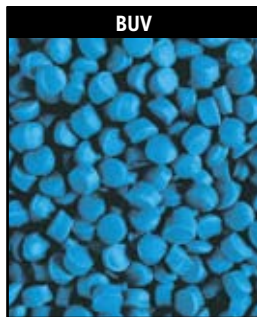
Regulatory Information

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Brief Description

Formulated to reduce or eliminate material degradation in applications where ultraviolet radiation exposure is a concern. Retains its mechanical integrity when exposed to direct sunlight (outdoor applications) as well as in applications that use ultraviolet radiation to run a process. Has the same strength and wear properties as plain acetal material.

Primary Components

Ultraviolet resistant acetal (POM).

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit		Celsius		min	max	
		min	max	min	max			
DUV	Acetal Ultraviolet Resistant (Black)	0	+180	+150	-18	+82	+66	No
BUV	Blue Acetal Ultraviolet Resistant	0	+180	+150	-18	+82	+66	No
RUV	Red Acetal Ultraviolet Resistant	0	+180	+150	-18	+82	+66	No
YUV	Yellow Acetal Ultraviolet Resistant	0	+180	+150	-18	+82	+66	No

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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
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	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

Regulatory Information

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



EPDM

Brief Description

EPDM is used as a gripper material that has outstanding resistance to oxygen and ozone. It also has good resistance to the very hot water used in many SideGrip™ rinser applications. It is available in several different durometers (or hardness) for different applications.

Primary Components

Ethylene Propylene Rubber

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
-	EPDM	-58	+302	+302	-50	+150	+150	Yes

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	NR	NR	NR	NR

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	NR	NR	NR
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NR	NR	NR

Additional Notes

1. This material is not available in TableTop®, MatTop®, or Multiflex chains. It is only available as a gripper material for SideGrip™ chains.
2. The temperature range for standard 50 shore EPDM grippers. Other hardnesses will affect the operating temperature.
3. Color may be black or white depending on chain series. See specific chain series in Product Catalog for color.

Regulatory Information

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ESD

Brief Description

A proprietary compound formulated for conveying sensitive products, such as electronics and computer chips, where controlling static charge and static decay are of critical importance. Meets the ESD Association Draft Standard DS 4.1 - 1995. Used to dissipate static charges that may occur while conveying products or during product accumulation. Also used to dissipate nuisance sparks for Class II type static environments only. Please contact Application Engineering at 262.376.4800 for specific uses for this material.

Primary Components

Electrically conductive polypropylene (PP).

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
ESD	Electrostatic Dissipative (Black)	0	+180	+180	-18	+82	+82	No

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	0.28	0.29	0.22	0.35	0.30	0.30	0.35
Water	0.19	0.21	0.17	NR	0.25	0.25	0.25
Soap and Water	0.16	0.12	0.10	NR	0.20	0.20	0.20
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.20	0.20
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

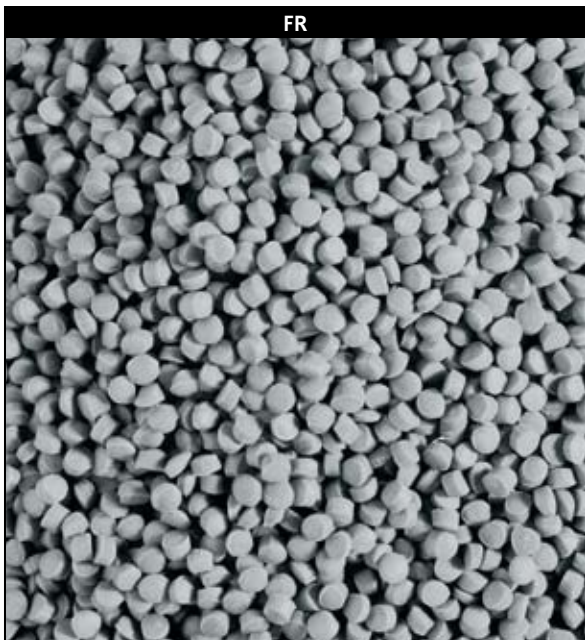
Regulatory Information

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Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

- Additional Notes**
- Types of Static Environments:
 Class I: Static spark causes explosion. Use stainless steel chain materials.
 Class II: Static spark is a nuisance charge causing slight shock, possible circuit damage or electrical malfunction.
 - Electrical Properties: Surface resistivity = 10⁵ to 10⁹ Ω/sq.
 - Wearstrip Recommendations: Wearstrips must be grounded to the conveyor frame and must be electrically conductive to be effective. The conveyor frame should also be externally grounded.
 - Strength Considerations:
 - Rexnord® TableTop® & MatTop® Chains molded from anti-static material must be derated 40% from their acetal counterparts.
 - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from anti-static material must be derated 40% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
 - Depending on application requirements, the entire conveyor chain can be comprised of anti-static material or sections of antistatic material can be interspersed at various intervals.
 - Electrostatic dissipative material is only available in Rexnord® MatTop® and plastic TableTop® chains with roller base chains.

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.



Brief Description

Formulated to eliminate the possibility of sustained combustion should the chain be accidentally ignited. Will self extinguish per the UL Standard 94 V-0 standard when the source of ignition or flame is removed.

Primary Components

Flame retardant polyester (PBT).

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
FR	Flame Retardant (Gray)	0	+180	+140	-18	+82	+60	No

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Regulatory Information

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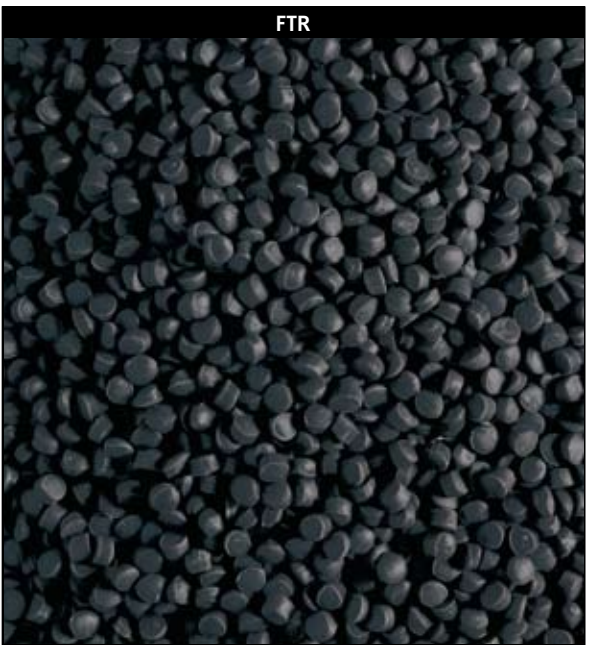
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Additional Notes

- Strength Considerations:
 - Rexnord® TableTop® Chains molded from flame retardant material must be derated 40% from their acetal counterparts.
 - Rexnord® MatTop® Chains molded from flame retardant material must be derated 15% from their acetal counterparts.
 - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from flame retardant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
- Flame retardant material is not recommended for high temperature applications.

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.



FTR

Brief Description

Formulated to be used in oven / fryer discharge conveyor applications where the chain is exposed to high temperatures. Used to convey high temperature products such as chips.

Primary Components

Fryer Temperature Resistant Nylon (PA).

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
FTR	Fryer Temperature Resistant (Black)	-80	+220	NR	-62	+104	NR	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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	NR	NR	NR	NR

Friction Factors Between Material and Wearstrips			
Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.28	0.28
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NR	NR	NR

Regulatory Information

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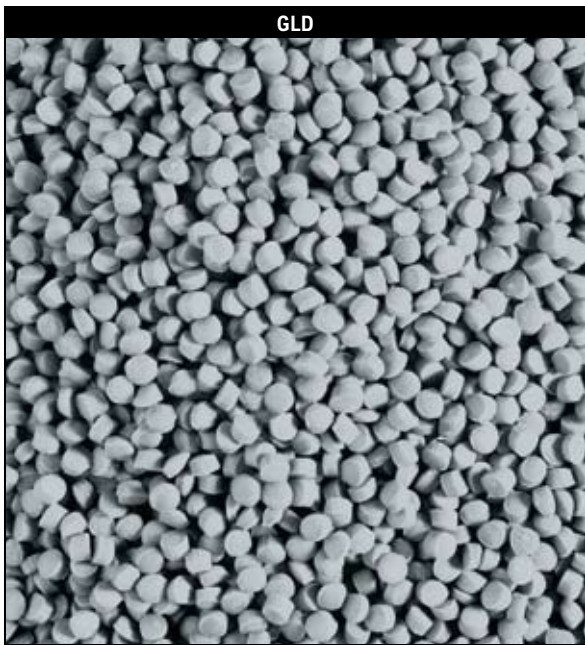
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- Additional Notes**
- Strength Considerations:
 - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from melt resistant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
 - It is important to lubricate side-flexing chains in the corners to reduce noise levels at speeds in excess of 100FPM; water lubrication is unacceptable because it will cause melt resistant material to swell and lose strength.
 - Only available in 8505/8506 MatTop® chain series.
 - All applications must come through Application Engineering.

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.



Brief Description

A patented blend of the Rexnord® Low Temperature Antimicrobial material. Formulated to inhibit the growth of bacteria, mold and mildew that may cause discoloration, odor or degradation of the Rexnord® MatTop® chain. Allows detection as it passes through a metal detector. Formulated for detection in dry food and frozen food. Retains toughness, impact strength and ductility in both dry and wet conditions to temperatures as low as -100°F (-73°C). While not as impact resistant as the WLT material, it still has excellent impact resistance. Chemical resistant to most bleaches, bases, acids and hydrocarbons. Developed specifically for chains used in dry snack food and frozen food processing.

Primary Components

Polyethylene (HDPE) and non ferrous metal particulate.
Microban® Antimicrobial Product Protection

General Information

Prefix	Material	Temperature						FDA Approval	
		Farenheit			Celsius				
		min	max		min	max			
		dry	wet		dry	wet			
GLD	Grey Low Temperature Detectable Antibicrobial	-100	+80	+80		-73	+27	+27	***
RLD	Red Low Temperature Detectable Antibicrobial	-100	+80	+80		-73	+27	+27	***

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	0.22	0.24	0.18	0.30	0.22	0.22	0.28
Water	0.17	0.17	0.14	NR	0.18	0.18	0.22
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	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.28	0.23	0.23
Water	0.22	0.20	0.20
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

1. Buoyant in water.
2. Not available for Rexnord® TableTop® and Multiflex chains.
3. The ability to detect plastic particles will vary due to sensitivity of individual metal detectors.

Regulatory Information

***These materials meet the end-test requirements as specified by FDA 21 CFR 177.1520 (c), the FDA requirement for polyolefin materials intended for direct food contact. All components of these materials are either compliant for food contact as listed by the FDA or regulated by the EPA.

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This material will not protect the user against food-borne illness. Always maintain good hygiene, propper cleaning procedures are still required. Microban is a registered trademark of Microban Products Company.

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GTC

Brief Description

GTC is a high strength, toughened composite material specifically formulated to take constant impact. It's combination of high strength and low stretch make it an excellent material for high speed case incline (or decline) conveyors. Has excellent impact resistance as well as good chemical resistance.

Primary Components

High strength, impact modified composite.

General Information

Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
GTC	Grey Tough Composite	0	+180	+140	-18	+82	+60	No

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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.21	0.21	0.23
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	0.10	0.10	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

Regulatory Information

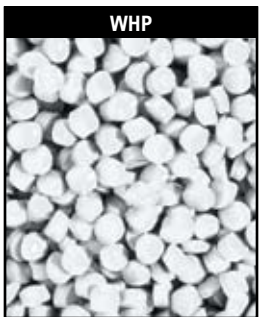
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Patent Pending.

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.



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		
HP™	High Performance (Brown)	-40	+180	+150	-40	+82	+66	Yes
WHP	White High Performance	-40	+180	+150	-40	+82	+66	Yes

Operating Condition	Friction Factors Between Material and Product						
	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

Operating Condition	Friction Factors Between Material and Wearstrips		
	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

Additional Notes

Regulatory Information

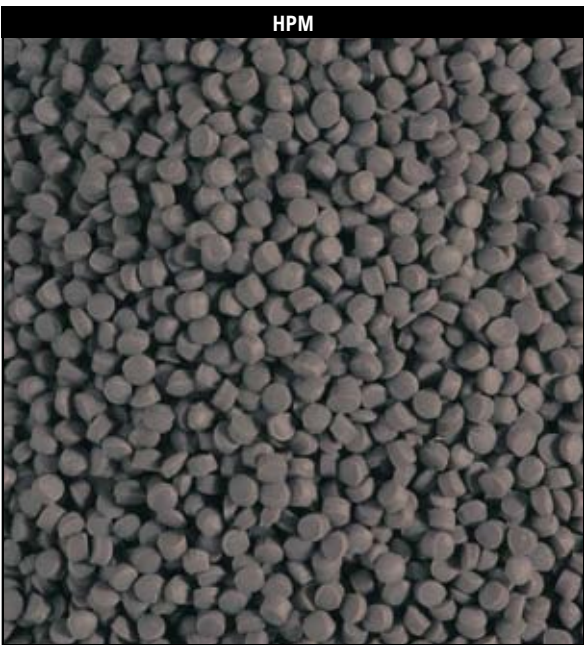
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U.S. Patent: 4436200

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.



HPM

Brief Description

HPM is specifically formulated for general high friction applications. The high performance HP™ base links in conjunction with molded high friction pads make it ideal for high speed incline or decline conveyors.

Primary Components

High performance HP™ with molded high friction pads.

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
HPM	High Performance Friction Top	-40	+180	+150	-40	+82	+66	No

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	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	0.87***	0.85***	NR	NR

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

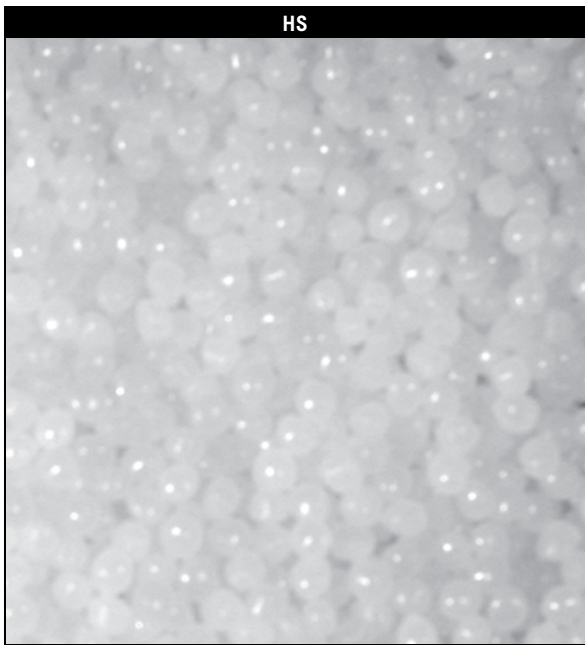
Additional Notes

Regulatory Information

***It is not recommended to accumulate on RubberTop™ products; however, these values can be utilized when determining brake belt or "hold back" calculations.

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HS

Brief Description

Formulated to retain strength and resist degradation and swelling in hot, wet environments. Can be used in demanding high temperature applications such as bottle rinsers, sterilizers, warmers and pasteurizers.

Primary Components

Heat stabilized nylon (PA).

General Information

Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
HS	Heat Stabilized (Green)	-40	+220	+212	-40	+104	+100	No

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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
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	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.28	0.28
Water	0.25	0.23	0.23
Soap and Water	0.18	0.18	0.18
Oil	0.10	0.16	0.16

Additional Notes

- Strength Considerations:
 - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from heat stabilized material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
- Heat stabilized material, unlike other nylon materials, can be used in wet environments without the risk of swelling.

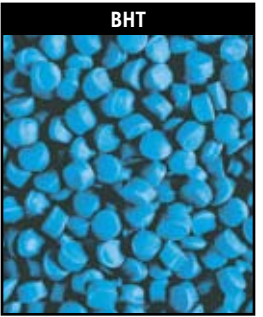
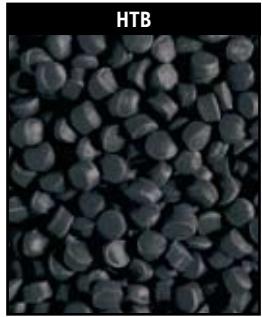
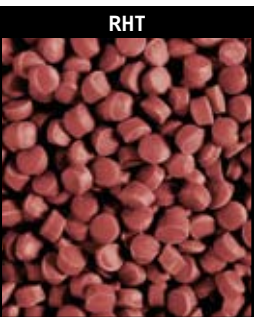
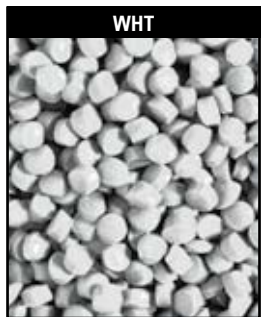
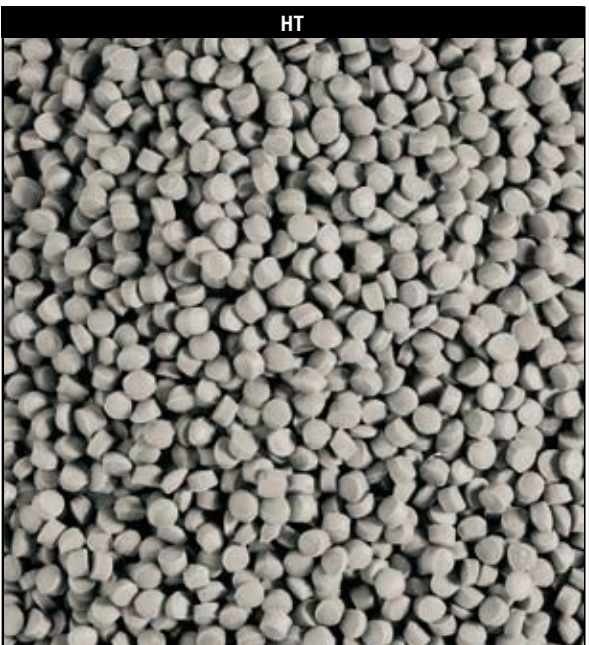
Regulatory Information

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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.



Brief Description

Formulated to be used in both high temperature and general applications in both dry and wet conditions. A good general purpose conveyor chain material and in addition has excellent resistance to chemicals including salts, alcohol, bases and many acids.

Primary Components

Polypropylene (PP).

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet				
HT	High Temperature (Beige)	+40	+220	+212	+4	+104	+100	Yes
WHT	White High Temperature	+40	+220	+212	+4	+104	+100	Yes
RHT	Red High Temperature	+40	+220	+212	+4	+104	+100	Yes
KHT	Khaki High Temperature	+40	+220	+212	+4	+104	+100	Yes
BHT	Blue High Temperature	+40	+220	+212	+4	+104	+100	Yes
HTB	Black High Temperature	+40	+220	+212	+4	+104	+100	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	0.29	0.29	0.24	0.35	0.32	0.28	0.31
Water	0.19	0.21	0.18	NR	0.24	0.20	0.25
Soap and Water	0.15	0.14	0.10	NR	0.19	0.15	0.17
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.35	0.30	0.30
Water	0.30	0.25	0.25
Soap and Water	0.25	0.20	0.20
Oil	0.10	0.16	0.16

Additional Notes

- Buoyant in water.
- Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

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



Brief Description

HTF is specifically formulated for general high friction applications. The polypropylene base links in conjunction with high friction surface make it ideal for incline or decline conveyors

Primary Components

High temperature polypropylene with TPE high friction pads.

General Information								FDA Approval
Prefix	Material	Temperature						
		Farenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
HTF	High Temperature Friction Top	+40	+220	+212	+4	+104	+100	No

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	0.87***	0.85***	NR	NR

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.35	0.30	0.30
Water	0.30	0.25	0.25
Soap and Water	0.25	0.20	0.20
Oil	0.10	0.16	0.16

Additional Notes

Regulatory Information

***It is not recommended to accumulate on RubberTop™ products; however, these values can be utilized when determining brake belt or "hold back" calculations.

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Brief Description

Formulated to reduce or eliminate material degradation in applications where ultraviolet radiation exposure is a concern. Retains its mechanical integrity when exposed to direct sunlight (outdoor applications) as well as in applications that use ultraviolet radiation to run a process. Has excellent resistance to chemicals including salts, alcohol, bases and many acids.

Primary Components

Polypropylene (PP).

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
HUV	High Temperature Ultraviolet Resistant (Black)	+40	+220	+180	+4	+104	+82	No

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	0.28	0.29	0.22	0.35	0.30	0.30	0.35
Water	0.19	0.21	0.17	NR	0.25	0.25	0.25
Soap and Water	0.16	0.14	0.10	NR	0.20	0.20	0.20
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips			
Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.35	0.30	0.30
Water	0.24	0.16	0.16
Soap and Water	0.20	0.26	0.26
Oil	0.10	0.16	0.16

Additional Notes

- Buoyant in water.
- Not available for Rexnord® TableTop® and Multiflex chains.

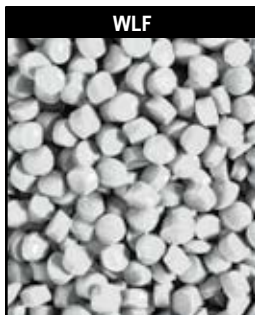
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**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.



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		
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	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	0.16	0.16

Additional Notes

Regulatory Information

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U.S. Patent: 4436200

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.



Brief Description

Formulated to retain toughness, impact strength and ductility in both dry and wet conditions. Retains its properties in temperatures as low as -100 °F (-73 °C). Has excellent impact resistance, and because of its inherent ductility, is excellent in applications where other materials may chip or fracture. Is also chemical resistant to most bleaches, bases, acids and hydrocarbons.

Primary Components

Polyethylene (HDPE).

General Information										
Prefix	Material	Temperature						FDA Approval		
		Farenheit			Celsius					
		min	max		min	max				
			dry	wet		dry	wet			
WLT	White Low Temperature	-100	+80	+80			-73	+27	+27	Yes
BLT	Blue Low Temperature	-100	+80	+80			-73	+27	+27	Yes
LT	Low Temperature (natural)	-100	+80	+80			-73	+27	+27	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	0.22	0.24	0.18	0.30	0.22	0.22	0.28
Water	0.17	0.17	0.14	NR	0.18	0.18	0.22
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	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.28	0.23	0.23
Water	0.22	0.20	0.20
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

- Buoyant in water.
- Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

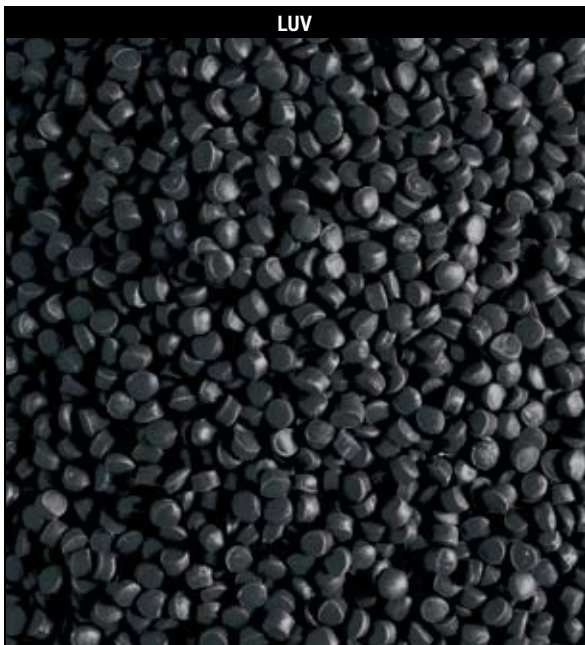
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**Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.



LUV

Brief Description	Primary Components
Formulated to reduce or eliminate material degradation in applications where ultraviolet radiation exposure is a concern. Retains its mechanical integrity when exposed to direct sunlight (outdoor applications) as well as in applications that use ultraviolet radiation to run a process. Also retains toughness, impact strength and ductility in both dry and wet conditions and in temperatures as low as -40 °F (-40 °C). Has excellent impact resistance and because of its inherent ductility, is excellent in applications where other materials may chip or fracture. Chemical resistant to most bleaches, bases, acids and hydrocarbons.	Ultraviolet resistant polyethylene (HDPE).

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
LUV	Low Temperature Ultraviolet Resistant (Black)	-100	+80	+80	-73	+27	+27	No

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.22	0.24	0.28	0.30	0.22	0.22	0.28
Water	0.17	0.17	0.14	NR	0.18	0.18	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.10
Oil	---	---	---	NR	---	---	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.28	0.23	0.23
Water	0.22	0.20	0.20
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

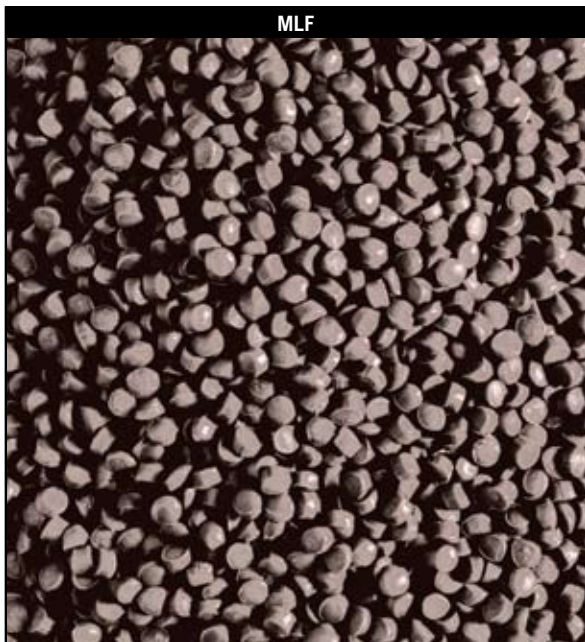
- Buoyant in water.
- Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

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MLF

Brief Description

A cost-effective general purpose conveyor chain material which has low friction, high strength, excellent wear life, superior fatigue resistance and is chemical resistant in a wide range of environments

Primary Components

Low friction acetal (POM).

General Information								
Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
		dry	wet	min	dry	wet		
MLF	Medium Duty Low Friction (Tan)	-40	+180	+150	-40	+82	+66	No

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.20	0.15	NR	0.20	0.20	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.15	0.15
Oil	---	---	---	NR	---	---	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

1. Only available in selected Rexnord® TableTop® and Multiflex chains.

Regulatory Information

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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.



Brief Description

Formulated to be used in applications where conveying hot products may cause chain top surface to melt. Can resist contact temperatures up to 375 °F (190 °C). Used to convey high temperature products such as hot cans and hot pans in container manufacturing and industrial part processing applications

Primary Components

Melt resistant nylon (PA).

General Information								FDA Approval
Prefix	Material	Temperature						
		Fahrenheit			Celsius			
		min	max		min	max		
MR	Melt Resistant (Black)	-80	+220	NR	-62	+104	NR	No

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	---	---	---	NR	---	---	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.28	0.28
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	0.10	0.16	0.16

Additional Notes

- Strength Considerations:
 - Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from melt resistant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.
- It is important to lubricate side-flexing chains in the corners to reduce noise levels at speeds in excess of 100FPM; water lubrication is unacceptable because it will cause melt resistant material to swell and lose strength.

Regulatory Information

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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.



Neoprene

Brief Description

Neoprene is used as a gripper material that has good resistance to gasoline, sunlight, ozone & oxidation. It is available in several different durometers (or hardness) for different applications.

Primary Components

Neoprene.

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
-	Neoprene	-40	+212	+200	-40	+100	+93	No

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	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	NR	NR	NR	NR

Friction Factors Between Material and Wearstrips			
Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	NR	NR	NR
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NR	NR	NR

Additional Notes

1. This material is not available in TableTop®, MatTop®, or Multiflex chains. It is only available as a gripper material for SideGrip™ chains.
2. The temperature range for standard 40 shore Neoprene grippers. Other hardnesses will affect the operating temperature.
3. Color may be black or white depending on chain series. See specific chain series in Product Catalog for color.

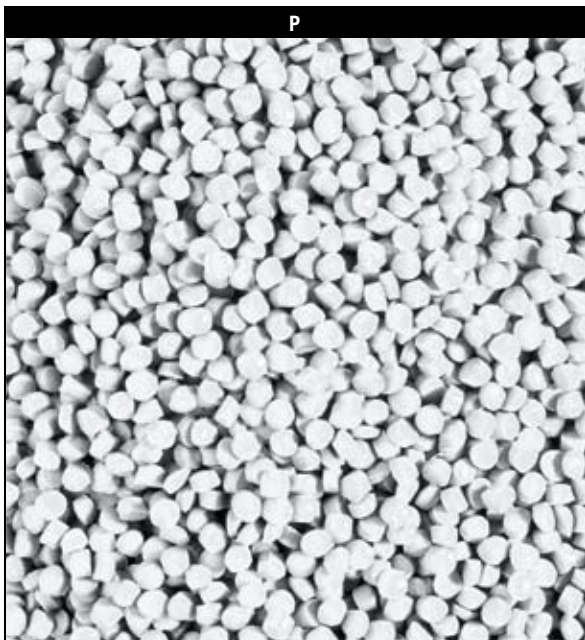
Regulatory Information

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Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

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.



Brief Description		Primary Components										
Formulated to reduce or eliminate material degradation in applications where chemicals such as chlorine and phosphorous are present at moderate concentrations		Polyester (PBT).										
General Information												
Prefix	Material	Temperature						FDA Approval				
		Farenheit			Celsius							
		min	max		min	max						
P	Chemical Resistant (White)	0	dry	wet	+180	+140	-18	dry	wet	+82	+60	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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.21	0.21	0.22
Soap and Water	0.12	0.14	0.10	NR	0.15	0.10	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips			
Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

1. Strength Considerations:

- Rexnord® TableTop® Chains molded from chemical resistant material (with stainless steel pins) must be derated 20% from their acetal counterparts (with stainless steel pins).
- Rexnord® TableTop® Chains molded from chemical resistant material (with plastic pins) must be derated 40% from their acetal counterparts (with stainless steel pins).
- Rexnord® MatTop® Chains molded from chemical resistant material must be derated 20% from their acetal counterparts.
- Pressure-Velocity (PV) Limits: PV Limit of Rexnord® TableTop® Chains molded from chemical resistant material must be derated 20% from acetal materials. PV Limits relate to the speed and tension exerted as the chain travels around the corners.

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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PS®

Brief Description	Primary Components
<p>Platinum Series® PS® material is a specially formulated material especially suited for high speed conveying. PS® material can decrease high speed wear by as much as 5 times. Side-flexing PV limits are also increased which means that a side-flexing chain molded in PS® can be run 200% faster than the same chain in acetal, or 150% faster than the same chain in HP™! "Optimized for PET" means that PET bottles running on PS® chains exhibit the lowest friction available. Low coefficients of friction reduce product backline pressures and minimize pulsations.</p>	<p>High speed Platinum Series® internally lubricated acetal (POM).</p>

General Information									
Prefix	Material	Temperature						FDA Approval	
		Farenheit			Celsius				
		min	max		min	max			
			dry	wet		dry	wet		
PS®	Platinum Series® (Silver)	-40	+180	+150		-40	+82	+66	Yes

Operating Condition	Friction Factors Between Material and Product						
	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	0.16	0.18
Water	0.14	0.18	0.11	NR	0.16	0.15	0.16
Soap and Water	0.12	0.14	0.10	NR	0.14	0.14	0.13
Oil	---	---	---	NR	---	---	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	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

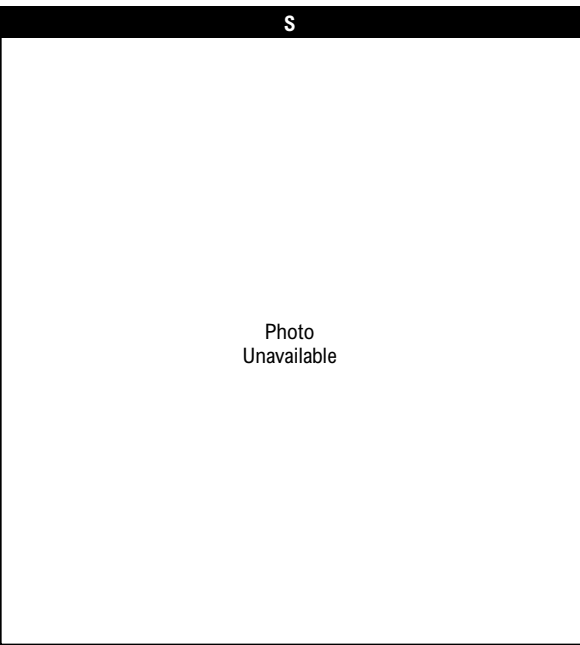
The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

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Additional Notes

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Brief Description

A strong, abrasion resistant, fine grained, hardened carbon steel with a smooth surface finish. Used in applications requiring high strength, impact resistance and hardened chain surface such as parts handling.

Primary Components

Carbon steel.

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
S	Carbon Steel	-40	+350	NR	-40	+177	NR	No

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.34	0.35	0.33	0.43	0.31	0.30	0.38
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	0.10	0.10	NR	NR	NR	NR	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.40	0.30	0.30
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	0.10	0.16	0.16

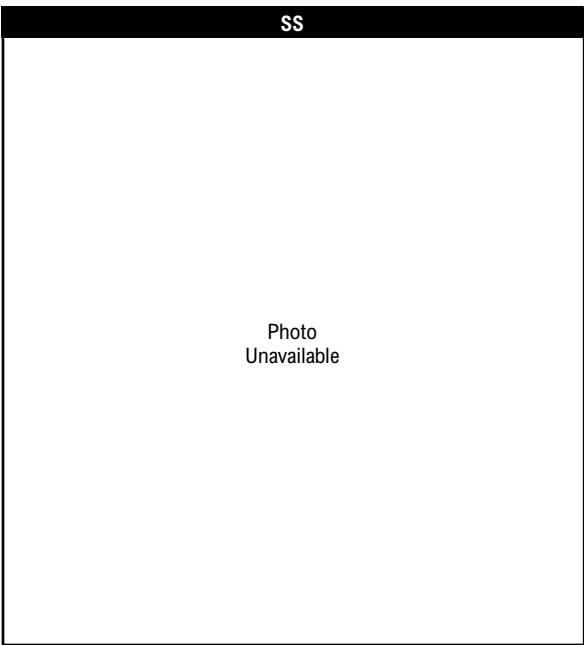
Additional Notes

- It is important to lubricate side-flexing chains in the corners to reduce noise levels; water lubrication is unacceptable due to the potential for corrosion and rusting. melt resistant material to swell and lose strength.
- Not available for Rexnord® MatTop® and Multiflex chains.

Regulatory Information

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Brief Description

Has excellent corrosion and abrasion resistance. Possess resistance to acids, have non-magnetic qualities, good impact resistance, good surface hardness and smooth surface finish. Used in applications requiring corrosion and abrasion resistance, including glass containers and parts handling where water or lubricants are used. The chain life of Rexnord® TableTop® Chains made with austenitic stainless steel material have been demonstrated to have more than 2x the wear life than competitive chains made with ferritic stainless steel.

Primary Components

Austenitic stainless steel.

General Information

Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
SS	Stainless Steel	-100	+800	+212	-73	+427	+100	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	0.34	0.35	0.33	0.43	0.31	0.30	0.38
Water	0.27	0.30	0.29	NR	0.22	0.21	0.30
Soap and Water	0.14	0.15	0.15	NR	0.15	0.14	0.15
Oil	---	---	---	NR	---	---	---

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.40	0.30	0.30
Water	0.35	0.22	0.22
Soap and Water	0.15	0.15	0.15
Oil	0.15	0.16	0.16

Additional Notes

- It is important to lubricate side-flexing chains in the corners to reduce noise levels.
- Not available for Rexnord® MatTop® and Multiflex chains.

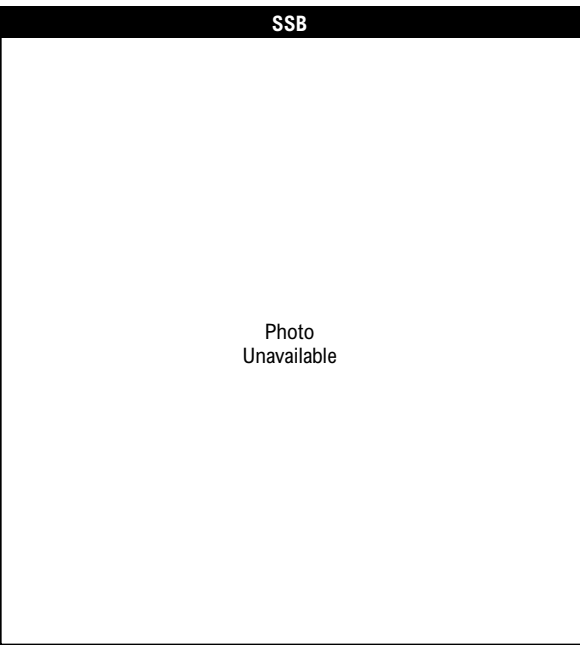
Regulatory Information

Based on the material chemistries, industry standards, and the documentation in the Federal Registry, it is the opinion of Rexnord Industries, Inc. that the Rexnord® TableTop® stainless steel chains can be considered GRAS for direct food contact.

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Brief Description

A special austenitic stainless steel used in applications that require the chain to allow magnetic fields to pass through. In some applications, magnets are used to stabilize or hold products that are conveyed on the top of the chain. Allows magnets to interact with the product without increasing chain tension or drive requirements. Can also be used in mechanical applications where magnetism introduced into the system can cause component malfunction. Has excellent corrosion, abrasion and impact resistance. Also has good surface hardness and a smooth surface finish. Used in corrosive environments where strong acids or bases are present.

Primary Components

Low ferromagnetic austenitic stainless steel.

General Information

Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
SSB	Stainless Steel	-100	+800	+212	-73	+427	+100	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	0.28	0.47	0.35	0.40	0.30	0.30	0.35
Water	0.19	0.31	0.25	NR	0.20	0.20	0.25
Soap and Water	0.12	0.21	0.15	NR	0.10	0.10	0.15
Oil	---	---	---	NR	---	---	0.15

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.50	0.40	0.40
Water	0.40	0.30	0.30
Soap and Water	0.20	0.20	0.20
Oil	0.20	0.16	0.16

Additional Notes

- It is important to lubricate side-flexing chains in the corners to reduce noise levels.
- Not available for Rexnord® MatTop® and Multiflex chains.

Regulatory Information

Based on the material chemistries, industry standards, and the documentation in the Federal Registry, it is the opinion of Rexnord Industries, Inc. that the Rexnord® TableTop® stainless steel chains can be considered GRAS for direct food contact.

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TCF

Brief Description

TCF is a high strength, toughened composite material specifically formulated to take constant impact. It's combination of high strength and low stretch along with high friction surface make it excellent for high speed case incline (or decline) conveyors. Has excellent impact resistance as well as good chemical resistance.

Primary Components

High strength, impact modified composite with urethane high friction pads.

General Information

Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
TCF	Tough Composite Friction Top	0	+180	+140	-18	+82	+60	No

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	NR	NR	NR	NR	NR	NR	NR
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	NR	NR	NR	0.87***	0.85***	NR	NR

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

Regulatory Information

***It is not recommended to accumulate on RubberTop™ products; however, these values can be utilized when determining brake belt or "hold back" calculations.

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Patent Pending.

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THD

Brief Description

A patented blend of the Rexnord® High Temperature Antimicrobial material. Formulated to inhibit the growth of bacteria, mold and mildew that may cause discoloration, odor or degradation of the Rexnord® MatTop® chain. Allows detection as it passes through a metal detector. Formulated for detection in dry food and frozen food. Retains physical properties at elevated temperatures in both wet and dry environments. A good general purpose conveyor chain material with excellent resistance to chemicals including salts, alcohol, bases and many acids. Developed specifically for chains used in dry snack food and frozen food processing.

Primary Components

Polypropylene (PP) and nonferrous metal particulate.
Microban® Antimicrobial Product Protection

General Information

Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
THD	Tan High Temperature Detectable Antibicrobial	+40	+220	+212	+4	+104	+100	***

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	0.28	0.29	0.22	0.35	0.30	0.30	0.35
Water	0.19	0.21	0.17	NR	0.25	0.25	0.25
Soap and Water	0.16	0.14	0.10	NR	0.20	0.20	0.20
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.35	0.30	0.30
Water	0.25	0.25	0.25
Soap and Water	0.20	0.20	0.20
Oil	0.10	0.16	0.16

Additional Notes

1. Buoyant in water.
2. Not available for Rexnord® TableTop® and Multiflex chains.
3. The ability to detect plastic particles will vary due to sensitivity of individual metal detectors.

Regulatory Information

***These materials meet the end-test requirements as specified by FDA 21 CFR 177.1520 (c), the FDA requirement for polyolefin materials intended for direct food contact. All components of these materials are either compliant for food contact as listed by the FDA or regulated by the EPA.

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This material will not protect the user against food-borne illness. Always maintain good hygiene, propper cleaning procedures are still required. Microban is a registered trademark of Microban Products Company.

Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

U.S. Patent 6177113



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.



Brief Description	Primary Components
Patented Rexnord® Ultra High Strength Material is specially formulated to be used in heavy-duty applications such as pasteurizers, sterilizers and coolers. Has excellent chemical resistance and can be used in high temperature applications in both dry and wet environments.	High strength polypropylene (PP) composite.

General Information								
Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
UHS™	Ultra High Strength (Grey)	+40	+220	+212	+4	+104	+100	No

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.30	0.29	0.25	0.35	0.32	0.30	0.35
Water	0.19	0.21	0.19	NR	0.24	0.25	0.25
Soap and Water	0.16	0.14	0.10	NR	0.19	0.20	0.20
Oil	---	---	---	NR	---	---	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.35	0.30	0.30
Water	0.30	0.25	0.25
Soap and Water	0.25	0.20	0.20
Oil	0.10	0.16	0.16

Additional Notes

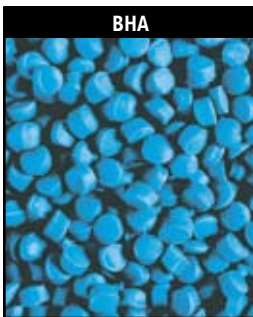
1. Not buoyant in water.
2. Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

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Brief Description

Formulated to inhibit the growth of bacteria, mold and mildew that may cause discoloration, odor or degradation of the Rexnord® MatTop® chain. Retains physical properties at elevated temperatures in both dry and wet environments. A good general purpose conveyor chain material with excellent resistance to chemicals including salts, alcohol bases and many acids. Developed specifically for chains used in food processing.

Primary Components

Polypropylene (PP).
Microban® Antimicrobial Product Protection

General Information								
Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
		dry	wet	min	dry	wet		
WHA	White High Temperature w/Antimicrobial Additive	+40	+220	+212	+4	+104	+100	***
BHA	Blue High Temperature w/Antimicrobial Additive	+40	+220	+212	+4	+104	+100	***

Operating Condition	Friction Factors Between Material and Product						
	Product Material						
	Aluminum	Returnable Glass Bottles**	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink wrap, etc)	PET	Steel
Dry	0.28	0.29	0.22	0.35	0.30	0.30	0.35
Water	0.19	0.21	0.17	NR	0.25	0.25	0.25
Soap and Water	0.16	0.14	0.10	NR	0.20	0.20	0.20
Oil	---	---	---	NR	---	---	0.10

Operating Condition	Friction Factors Between Material and Wearstrips		
	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.35	0.30	0.30
Water	0.25	0.25	0.25
Soap and Water	0.20	0.20	0.20
Oil	0.10	0.16	0.16

Additional Notes

1. Buoyant in water.
2. Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

***These materials meet the end-test requirements as specified by FDA 21 CFR 177.1520 (c), the FDA requirement for polyolefin materials intended for direct food contact. All components of these materials are either compliant for food contact as listed by the FDA or regulated by the EPA.

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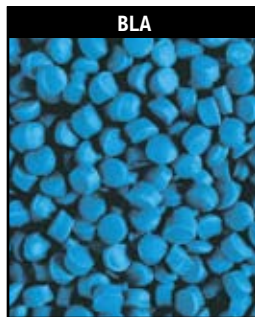
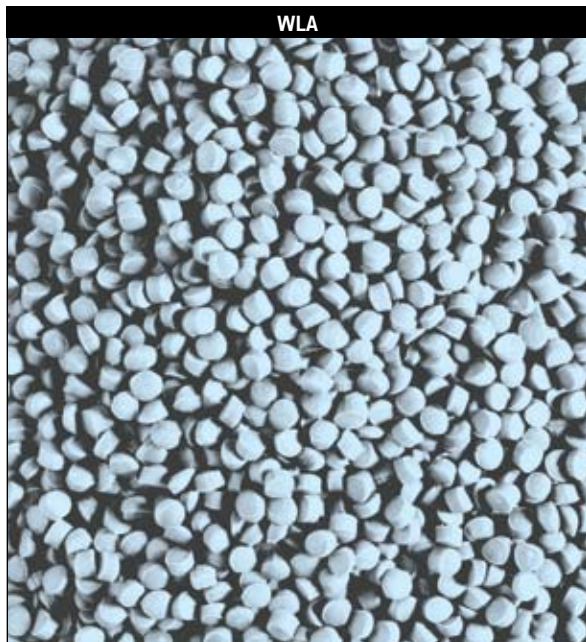
This material will not protect the user against food-borne illness. Always maintain good hygiene, propper cleaning procedures are still required. Microban is a registered trademark of Microban Products Company.

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



Brief Description

Formulated to inhibit the growth of bacteria, mold and mildew that may cause discoloration, odor or degradation of the Rexnord® MatTop® chain. Retains toughness, impact strength and ductility in both dry and wet conditions to temperatures as low as -100°F (-73°C). Has excellent impact resistance, and because of its inherent ductility, is excellent in applications where other materials may chip or fracture. Chemical resistant to most bleaches, bases, acids and hydrocarbons. Developed specifically for chains used in food processing.

Primary Components

Polyethylene (HDPE).
Microban® Antimicrobial Product Protection

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
		dry	wet		dry	wet		
WLA	White Low Temperature w/Antimicrobial Additive	-100	+80	+80	-73	+27	+27	***
BLA	Blue Low Temperature w/Antimicrobial Additive	-100	+80	+80	-73	+27	+27	***

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	0.22	0.24	0.18	0.30	0.22	0.22	0.28
Water	0.17	0.17	0.14	NR	0.19	0.19	0.22
Soap and Water	0.12	0.14	0.10	NR	0.25	0.25	0.15
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.28	0.23	0.23
Water	0.22	0.20	0.20
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

- Buoyant in water.
- Not available for Rexnord® TableTop® and Multiflex chains.

Regulatory Information

***These materials meet the end-test requirements as specified by FDA 21 CFR 177.1520 (c), the FDA requirement for polyolefin materials intended for direct food contact. All components of these materials are either compliant for food contact as listed by the FDA or regulated by the EPA.

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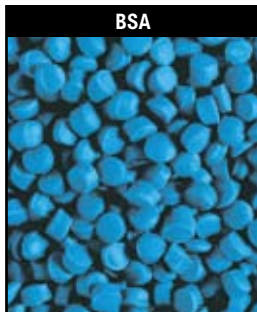
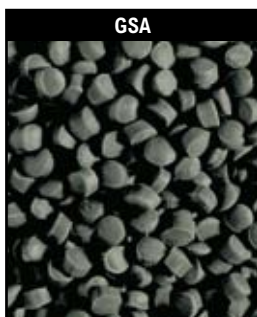
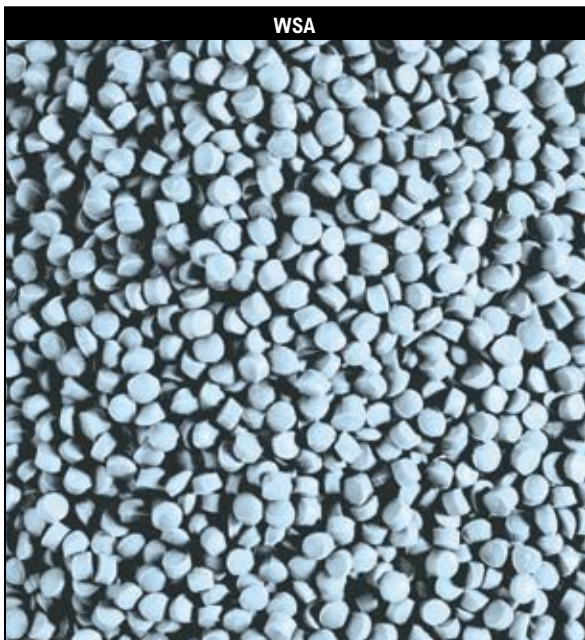
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Nylatron is a registered trademark of Quadrant Engineering Plastics Products.



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.



Brief Description

Formulated to inhibit the growth of bacteria, mold and mildew that may cause discoloration, odor or degradation of the Rexnord® MatTop® chain. Retains physical properties in both wet and dry environments and has superior impact resistance over standard acetal. A good chain material where resistance to abrasion and cutting are required. Developed specifically for chains used in the food processing industry.

Primary Components

Cut and abrasive wear resistant acetal (POM).
Microban® Antimicrobial Product Protection

General Information

Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
		dry	wet	min	dry	wet		
WSA	White Cut Resistant w/Antimicrobial Additive	-40	+180	+150	-40	+82	+66	***
GSA	Grey Cut Resistant w/Antimicrobial Additive	-40	+180	+150	-40	+82	+66	***
BSA	Blue Cut Resistant w/Antimicrobial Additive	-40	+180	+150	-40	+82	+66	***

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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
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	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

1. Not available for Rexnord® TableTop® and Multiflex chains.



Regulatory Information

***These materials meet the end-test requirements as specified by FDA 21 CFR 177.1520 (c), the FDA requirement for polyolefin materials intended for direct food contact. All components of these materials are either compliant for food contact as listed by the FDA or regulated by the EPA.

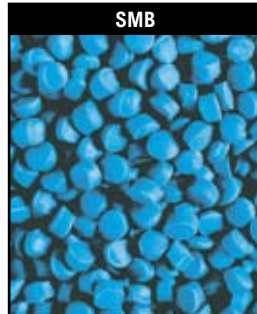
Rexnord, TableTop and MatTop are trademarks of Rexnord Industries, LLC.

This material will not protect the user against food-borne illness. Always maintain good hygiene, propper cleaning procedures are still required. Microban is a registered trademark of Microban Products Company.

Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

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.



Brief Description

Formulated to be used in applications when superior wear and cut resistance is required. Can be used in both dry and wet conditions and in applications where abrasive wear due to products or environment is a concern. Cut resistant materials are commonly used in the meat processing industry on cutting, boning and trimming lines. Has good impact resistance and is as strong as standard acetal materials.

Primary Components

Cut and abrasive wear resistant acetal (POM).

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
WSM	White Cut Resistant	-40	+180	+150	-40	+82	+66	Yes
BSM	Black Cut Resistant	-40	+180	+150	-40	+82	+66	Yes
SMB	Blue Cut Resistant	-40	+180	+150	-40	+82	+66	Yes
RSM	Red Cut Resistant	-40	+180	+150	-40	+82	+66	Yes
YSM	Yellow Cut Resistant	-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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	0.17	0.18	0.15	NR	0.20	0.20	0.22
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	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.16	0.16

Additional Notes

Regulatory Information

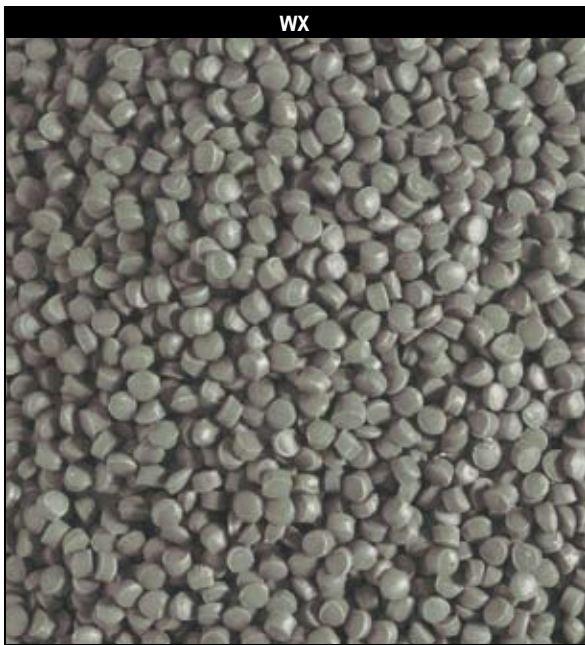
The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

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Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

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



Brief Description

Formulated to be used in abrasive applications where chain is subjected to abrasives such as glass, sand and dirt. May extend chain wear life up to five times compared to acetal materials. Designed to be used in glass handling applications where abrasive shards of glass can wear other plastic chain materials rapidly. Can also be used in other abrasive applications.

Primary Components

Abrasion resistant nylon (PA).

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
WX	Green Abrasion Resistant Polyamide	-40	+220	NR	-40	+104	NR	No

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	0.25	0.27	0.20	0.33	0.25	0.25	0.30
Water	NR	NR	NR	NR	NR	NR	NR
Soap and Water	NR	NR	NR	NR	NR	NR	NR
Oil	---	---	---	NR	---	---	---

Friction Factors Between Material and Wearstrips

Operating Condition	Wearstrip Material		
	Carbon and Stainless Steel	UHMWPE	Nylatron®
Dry	0.30	0.25	0.25
Water	NR	NR	NR
Soap and Water	NR	NR	NR
Oil	NA	0.16	0.16

Additional Notes

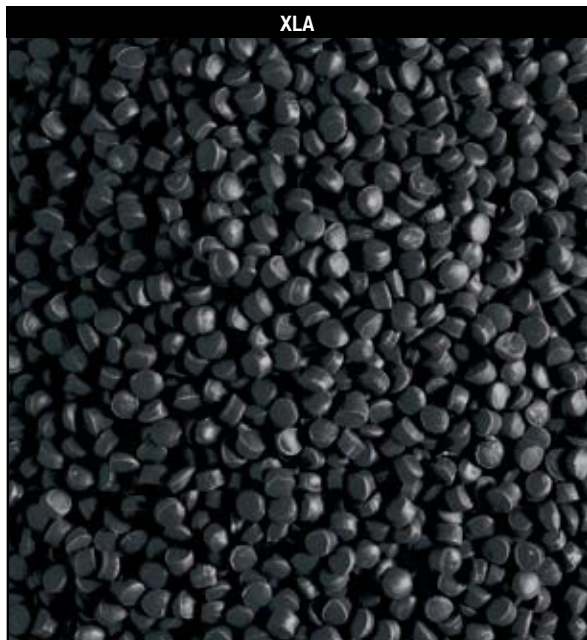
1. It is important to lubricate side-flexing chains in the corners to reduce noise levels at speeds in excess of 60FPM; however water lubrication is unacceptable because it will cause wear resistant material to swell and lose strength.

Regulatory Information

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XLA

Brief Description	Primary Components
Internally lubricated, extra low friction polyacetal for improved wearlife and high strength.	Internally lubricated polyacetal (POM).

General Information								
Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
XLA	Internally Lubricated Polyacetal (Grey)	-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	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	0.16	0.16

Additional Notes

1. Used for Low Backline Pressure (LBP) chains

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



XLG

Brief Description		Primary Components						
Internally lubricated, extra low friction acetal for improved wear life and high strength.		Internally lubricated polyacetal (POM).						
General Information								
Prefix	Material	Temperature						FDA Approval
		Farenheit			Celsius			
		min	max		min	max		
XLG	Low Friction Acetal (Green)	-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	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	0.16	0.16

Additional Notes

1. Only available in MCC® TableTop® and MatTop® chains

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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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.