P

Brief Description

Formulated to reduce or eliminate material degradation in applications where questionable chemicals such as chlorine and phosphorous are present.

Primary Components

Polyester (PBT).

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
P	Chemical Resistant	0	+180	+140	-18	+82	+60	✓

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	0.25	0.20	0.27	0.20	0.33	0.25	0.30
Water	0.17	0.15	0.18	0.15	NR	0.21	0.22
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	0.30	0.25	0.25
Water	0.23	0.21	0.21
Soap and Water	0.15	0.15	0.15
Oil	0.10	0.10	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.

Nylatron is a registered trademark of Quadrant Engineering Plastics Products.

Additional Notes

1. Strength Considerations:
   - Rex® TableTop® Chains molded from chemical resistant material (with stainless steel pins) must be derated 20% from their acetal counterparts (with stainless steel pins)
   - Rex® TableTop® Chains molded from chemical resistant material (with plastic pins) must be derated 40% from their acetal counterparts (with stainless steel pins)
   - Rex® MatTop® Chains molded from chemical resistant material must be derated 20% from their acetal counterparts
   - Pressure-Velocity (PV) Limits: PV Limit of Rex® 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