



**Brief Description**

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.

**Primary Components**

High speed, Platinum Series™ internally lubricated acetal (POM).

**General Information**

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
		dry	wet	min	dry	wet		
PS™	Platinum Series™	-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	0.18	0.12	0.16	0.12	0.23	0.16	0.18
Water	0.14	0.12	0.16	0.16	NR	0.15	0.16
Soap and Water	0.12	0.10	0.14	0.14	NR	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	0.17
Water	0.16	0.16	NR
Soap and Water	0.13	0.14	NR
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**