



Polytron[®] SMARTSeal

Using Teflon[®] for internal lubricity is a perfect solution to saving energy dollars!

- Flexible, Flexible, Flexible
- Low Coefficient of Friction
- Continual Lubrication
- Built-in Wear Gage
- Excellent wear properties
- Easy to Install
- Not brittle
- Rapid Break-in
- Heat resistant
- Chemical resistant
- Leaves No residue

The Polytron[®] SMARTSeal is designed to meet the needs of the harsh environment inside a Suction Roll without the use of Graphite. The base material is durable and designed to be resistant to chemicals and has excellent wear properties.



The Polytron[®] SMARTSeal material has the ToughLON[®] base material as well as the Teflon[®] Lubricator bar installed on the in the top of the strip so it can immediately wear inside the shell upon start up. It conforms to the inside of the shell healing any irregularities of the shell.

POLYTRON[®] SMARTSeal

ASTM	D638	Tensile Strength	13,400 PSI	93N/mm
ASTM	D625	Compressive Strength	17,100 PSI	118N/mm
ASTM	D790	Flexural Strength/Flexural Modulus	21,900 PSI / 950,000	150N/mm
ASTM	D570	Moisture Absorption	Nil/No Dimensional Change	
ASTM	D696	Coefficient of Lineal Thermal Expansion	12x10 ⁻⁷ in/in/F	
ASTM	D792	Density	1,120 g/cm	
		Maximum Operating Temperature	250F°	115C°
		Coefficient of Kinetic Friction Surface uk w/Teflon on S.S.	0.12	
ASTM	D1894			

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