

Roll Covers based on PTFE *Teflon*® offering 4 X longer life

Benefits:

- 4 Times Longer Life Than Standard Roll Covers
- Improved Product Quality
- Eliminates Sticking and Picking
- Increases Production
- Restores Roll Surface to Better Than New
- Mill Site Installations
- Infinite Shelf Life



Roll covers of *Teflon*® have been used by the paper industry for 40 years. But Fluoro-Wear is the first roll cover product of reinforced *Teflon*®.

When the product was introduced 10 years ago the original wear testing indicated four times greater abrasion resistance than unreinforced *Teflon*® FEP. Recent thickness measurements taken on a roll cover in service indicate that in certain applications, a Fluoro-Wear roll cover can last more than 10 times as long as an unreinforced roll cover.

The reinforced *Teflon*® has greater strength at higher temperatures. Fluoron's suggested service limit is 400°F (204°C). However, one bowed roll cover operating at the end of an infrared oven may see temperature excursions to 500° - 550°F (260°C - 287°C) for short periods and has not damaged the roll cover.

Fluoron can supply the covers in any diameter larger than 5" (127mm) and any length. We have the raw material stocked in .060" (1.5mm) thick sheet which we then cut to the necessary width and can make a product up to 9" (228mm) with one seam. For diameters 9" - 18" the roll cover will have two seams, and for larger diameters, three or more seams. Fluoron cannot ship a seamless Fluoro-Wear™ roll cover.

Applications: Because of the excellent wear resistance Fluoro-Wear roll covers are excellent on felt carrying rolls having build-up problems. Other roll cover applications are high wear bowed rolls and lead in/lead out rolls.

Patented Product U.S.#6,471,627B2

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Properties

Property	ASTM Test Method	Value
WEAR & FRICTION		
Coefficient of friction (Against wet polished steel)	D1894	.04-.08
Paper running against roll cover	Field Testing	4x FEP life
PHYSICAL		
Thickness Range (Standard)		.060" (1.5mm)
Flammability	D635	Non-Flammable
Diameter Range		Up to 15' (4.5m)
Ultimate Tensile Strength	D882-61T	3000psi
Elongation	D882-61T	100%
% Diameter Shrinkage@300°F (149°C)		10% minimum
Machining Qualities		Excellent
Color		Black
Wettability (Contact Angle)		108°
CHEMICAL		
Effect of all acids	D543	None
Effect of all alkalis		None
Effect of all organic solvents		None
H ₂ O absorption, 1/8" thickness		<0.01%
TEMPERATURE	No visible change or embrittlement with time or temperature at 400°F (149°C)	

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