

Roll Covers made with TEFLON® FEP

Fluoron Inc. offers FEP HST (heat shrinkable tube) roll cover products made from *Teflon*® FEP to handle serious complications of sticking, buildup, corrosion, pits and grooves. FEP (fluorinated ethylene propylene) roll covers are available in any diameter and custom fabricated to your roll size and application (seamless or seamed). Standard thickness' are .020" (.5mm) and .060" (1.5mm), and custom roll covers are available. All Fluoron roll covers are available in either Type N/A (no adhesive) or Type A (etched interior with adhesive for bonding).



Product I:

Common HST (seamless and seamed) shrinks in diameter only and is made from *Teflon*® FEP. If *Teflon*® FEP is currently in use at your mill, please help us by specifying which product you're presently using, including the type and thickness. [Specify Type N/A (no adhesive) or Type A (etched interior with adhesive for bonding)].

Product II:

HST shrinks in both diameter and length to reduce wrinkle problems during installation. Installation techniques are different from Product I. Available in seamed, seamless, Type N/A and Type A.

Product III:

"Fluoro-Flex" for Metal-Clad® and Metrol® segmented bowed rolls.

Product OMS:

Our dryer covers are made from .020" (.5mm) *Teflon*® FEP and seamed on the dryer in the machine.

Visit www.fluoron.com for information on other Innovative Products and Services

- **Dryer and Felt Roll Cleaning**
- **Static Dissipative Covers**
- **Roll covers of TEFLON® for Severe Wear**
- **Rope Savers**
- **Release Coatings**
- **Resurfacing Grooves & Pits**

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Properties of Fluoron Roll Covers made with TEFLON® FEP

PROPERTY	ASTM TEST METHOD	VALUE
THERMAL		
Melting Point		500-530°F (260-277°C)
Temperature Required for Shrinkage		280°F (138°C)
Flammability	D635	Non-Flammable
Continuous Operating Temperature <i>*Temperature depends upon adhesive type and application.</i>		*350°F (177°C)
PHYSICAL		
Diameter Range		Up to 15' (4.5m)
Thickness Range (Standard: .020", .060") (.5mm, 1.5mm)		.010" - .060" (.25mm - 1.5mm)
Ultimate Tensile Strength	D882-61T	3,000 psi
Elongation	D882-61T	250%
Per Cent Diameter Shrinkage @250°F (121°C)		10% Minimum
Hardness, 25°C P&J Plastometer Shore Durometer (A scale)		17 A96
Machining Qualities		Excellent
Clarity		Transparent
Wettability (Contact Angle)		108°
Coefficient of Friction		0.2
CHEMICAL		
Effect of all Acids	D653	None*
Effect of all Alkalies	D543	None*
Effect of all Organic Solvents	D543	None*
Water Absorption, 1/8" Thickness	D570	<0.01%

* No visible change, pitting or embrittlement in spite of time or temperature



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