

Roll Covers made with TEFLON® FEP

Properties of Fluoron Roll Covers made with TEFLON® FEP

PROPERTY	ASTM TEST METHOD	VALUE
THERMAL		
Melting Point	ISO 11357	500-527°F (260-275°C)
Melt Flow Number g/10 mins.	D2116	2
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 (D scale)	2240	17 D55
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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