



Mirafi[®] FW400

Mirafi[®] FW400 is composed of high-tenacity monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi[®] FW400 is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Wide Width Tensile Strength	ASTM D 4595	kN/m (lbs/ft)	26.3 (1800)	28.9 (1980)
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.2 (265)	1.2 (255)
Grab Tensile Elongation	ASTM D 4632	%	16	15
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.4 (80)	0.3 (70)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3445.0 (500)	
Puncture Strength ¹	ASTM D 4833	kN (lbs)	0.6 (125)	
CBR Puncture Strength	ASTM D 6241	kN (lbs)	4.4 (1000)	
Apparent Opening Size (AOS) ²	ASTM D 4751	mm (U.S. Sieve)	0.425 (40)	
Percent Open Area	COE-22125	%	10	
Permittivity	ASTM D 4491	sec ⁻¹	0.95	
Permeability	ASTM D 4491	cm/sec	0.027	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	2851.8 (70)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	90	

¹ ASTM D 4833 has been replaced with ASTM D 6241

² ASTM D 4751: AOS is a Maximum Opening Diameter Value

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	203.4 (6.0)
Thickness	ASTM D 5199	mm (mils)	0.4 (15)
Roll Dimensions (width x length)	--	m (ft)	3.7 (12) x 91 (300)
Roll Area	--	m ² (yd ²)	334 (400)
Estimated Roll Weight	---	kg (lbs)	72.027 (159)

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