



Mirafi[®] FW300

Mirafi[®] FW300 is composed of high-tenacity monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi[®] FW300 is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Typical Value	
			MD	CD
Wide Width Tensile Strength	ASTM D 4595	kN/m (lbs/in)	49.0 (280)	49.0 (280)
Grab Tensile Strength	ASTM D 4632	N (lbs)	2047 (460)	2047 (460)
Grab Tensile Elongation	ASTM D 4632	%	30	30
Trapezoid Tear Strength	ASTM D 4533	N (lbs)	935 (210)	935 (210)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5857 (850)	
Puncture Strength	ASTM D 4833	N (lbs)	823 (185)	
Apparent Opening Size (AOS) ¹	ASTM D 4751	mm (U.S. Sieve)	0.43 (40)	
Percent Open Area	COE-02215	%	15	
Permittivity	ASTM D 4491	sec ⁻¹	2.9	
Permeability	ASTM D 4491	cm/sec	0.26	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	8759 (215)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	90	

¹ 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)	271 (8.0)
Thickness	ASTM D 5199	mm (mils)	0.9 (35)
Roll Dimensions (width x length)	--	m (ft)	3.8 (12.5) x 91 (300)
Roll Area	--	m ² (yd ²)	348 (417)
Estimated Roll Weight	---	kg (lbs)	100 (221)

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