



## Mirafi® FW300

Mirafi® FW300 geotextile 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 geotextile 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 D4595	lbs/in (kN/m)	230 (40.3)	225 (39.4)
Grab Tensile Strength	ASTM D4632	lbs (N)	400 (1780.0)	335 (1491)
Grab Tensile Elongation	ASTM D4632	%	20	15
Trapezoid Tear Strength	ASTM D4533	lbs (N)	145 (645)	125(556)
CBR Puncture Strength	ASTM D6241	lbs (N)	1250 (5563)	
Apparent Opening Size (AOS) <sup>1</sup>	ASTM D4751	U.S. Sieve (mm)	30 (0.60)	
Percent Open Area	COE-02215	%	8	
Permittivity	ASTM D4491	sec <sup>-1</sup>	1.5	
Permeability	ASTM D4491	cm/sec	0.13	
Flow Rate	ASTM D4491	(gal/min/ft <sup>2</sup> ) l/min/m <sup>2</sup>	115 (4685)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	90	

<sup>1</sup> ASTM D4751, AOS is a Maximum Opening Diameter Value

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	8.0 (271)
Thickness	ASTM D5199	mils (mm)	35 (0.9)
Roll Dimensions (width x length)	--	ft (m)	12.5 x 300 (3.8 x 91)
Roll Area	--	yd <sup>2</sup> (m <sup>2</sup> )	417 (348)
Estimated Roll Weight	---	lbs (kg)	221 (100)

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