



## Mirafi<sup>®</sup> FW402

Mirafi<sup>®</sup> FW402 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<sup>®</sup> FW402 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)	200 (35.0)	140 (24.5)
Grab Tensile Strength	ASTM D4632	lbs (N)	365 (1624)	200 (890)
Grab Tensile Elongation	ASTM D4632	%	24	10
Trapezoid Tear Strength	ASTM D4533	lbs/in (N)	115 (512)	75 (334)
CBR Puncture Strength	ASTM D6241	lbs/in (N)	675 (3004)	
Apparent Opening Size (AOS) <sup>1</sup>	ASTM D4751	U.S. Sieve (mm)	40 (0.43)	
Percent Open Area	COE-02215	%	10	
Permittivity	ASTM D4491	sec <sup>-1</sup>	2.1	
Permeability	ASTM D4491	cm/sec	0.14	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	145 (5907)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	90	

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

Physical Properties	Unit	Typical Value
Mass/Unit Area (ASTM D5261)	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	5.6 (207)
Thickness (ASTM D5199)	mils (mm)	24 (0.7)
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)	169 (77)

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