



# Mirafi® FW500

Mirafi® FW500 geotextile is composed of high-tenacity monofilament and fibrillated polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi® FW500 geotextile is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)). [NTPEP Listed](#)

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	375 (1669)	375 (1669)
Grab Tensile Elongation	ASTM D4632	%	15	8
Trapezoid Tear Strength	ASTM D4533	lbs (N)	120 (534)	120 (534)
CBR Puncture Strength	ASTM D6241	lbs (N)	1200 (5340)	
			<b>Minimum Roll Value</b>	
Percent Open Area	COE-02215	%	3	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.2	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	15 (611)	
			<b>Maximum Opening Size</b>	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	50 (0.30)	
			<b>Minimum Test Value</b>	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Roll Size
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.57 x 91.4)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)

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**DX2 Geosyntex, Inc.**  
**307 Industrial Park Dr., Lawrenceville, Georgia 30046**  
**770-682-1758 Fax 770-339-0223**  
**www.dx2.net**

