



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
Tensile Strength (at ultimate)	ASTM D4595	lbs (N)	375 (1669)	375 (1669)
Tensile Elongation (at ultimate)	ASTM D4632	%	15	7
Trapezoid Tear Strength	ASTM D4533	lbs (N)	120 (534)	120 (534)
CBR Puncture Strength	ASTM D6241	lbs (N)	1200 (5340)	
MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM ROLL VALUE	
			Maximum Opening Size	
Percent Open Area	COE-02215	%	3	
Permittivity	ASTM D4491	sec ⁻¹	0.2	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	15 (611)	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	50 (0.30)	
UV Resistance (at 500 Hours)	ASTM D4355	% strength retained	Minimum Test Value 70	
PHYSICAL PROPERTIES		UNIT	TYPICAL ROLL VALUE	
Roll Dimensions (width x length)		ft (mm)	15 x 300 (4.57 x 91.4)	
Roll Area		yd ² (m ²)	500 (418)	
Roll Weight		lbs (kg)	282 (128)	

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