



## Mirafi<sup>®</sup> 500X

Mirafi<sup>®</sup> 500X geotextile is composed of high-tenacity polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi<sup>®</sup> 500X geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	200 (890)	200 (890)
Grab Tensile Elongation	ASTM D4632	%	15	10
Trapezoid Tear Strength	ASTM D4533	lbs (N)	75 (334)	75 (334)
CBR Puncture Strength	ASTM D6241	lbs (N)	700 (3115)	
Apparent Opening Size (AOS) <sup>1</sup>	ASTM D4751	U.S. Sieve (mm)	40 (0.43)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.05	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

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

Physical Properties	Test Method	Unit	Typical Value	
Weight	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	4.0 (136)	
Thickness	ASTM D5199	mils (mm)	20 (0.5)	
Roll Dimensions (width x length)	--	ft (m)	12.5 x 432 (3.8 x 132)	17.5 x 309 (5.3 x 94.2)
Roll Area	--	yd <sup>2</sup> (m <sup>2</sup> )	600 (502)	
Estimated Roll Weight	--	lb (kg)	210 (95)	

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