

Mirafi[®] 500X



Mirafi[®] 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[®] 500X geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratory is accredited Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

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	15
Trapezoid Tear Strength	ASTM D4533	lbs (N)	75 (334)	75 (334)
CBR Puncture Strength	ASTM D6241	lbs (N)	700 (3115)	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec ⁻¹	0.05	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	4 (163)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Roll Sizes		
Roll Dimensions (width x length)	ft (m)	12.5 x 432 (3.8 x 132)	15 X 360 (4.57 x 110)	17.5 x 309 (5.3 x 94.2)
Roll Area	yd ² (m ²)	600 (502)		

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Mirafi[®] 550X



Mirafi[®] 550X geotextile is composed of high-tenacity polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi[®] 550X geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

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Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	270 (1202)	270 (1202)
Grab Tensile Elongation	ASTM D4632	%	15	15
Trapezoid Tear Strength	ASTM D4533	lbs (N)	100 (445)	100 (445)
CBR Puncture Strength	ASTM D6241	lbs (N)	750 (3338)	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec ⁻¹	0.05	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	4 (163)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Roll Sizes	
Roll Dimensions (width x length)	ft (m)	12.5 x 360 (3.8 x 110)	17.5 x 258 (5.3 x 79)
Roll Area	yd ² (m ²)	500 (418)	

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Mirafi[®] 600X



Mirafi[®] 600X geotextile is composed of high-tenacity polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi[®] 600X geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

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Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	315 (1402)	315 (1402)
Grab Tensile Elongation	ASTM D4632	%	15	
Trapezoid Tear Strength	ASTM D4533	lbs (N)	120 (534)	120 (534)
CBR Puncture Strength	ASTM D6241	lbs (N)	900 (4005)	
Maximum Opening Size				
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)	
Minimum Roll Value				
Permittivity	ASTM D4491	sec ⁻¹	0.05	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	4.0 (163)	
Minimum Test Value				
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Roll Sizes		
Roll Dimensions (width x length)	ft (m)	12.5 x 360 (3.8 x 110)	15 x 300 (4.6 x 91)	17.5 x 258 (5.3 x 78.7)
Roll Area	yd ² (m ²)	500 (418)		

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