



# MIRAFI 500X

MIRAFI® 500X is a woven geotextile composed of polypropylene fibers, which are woven into a stable network such that the fibers retain their relative position. MIRAFI 500X is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. MIRAFI 500X meets AASHTO M288 Strength Class 3 for Elongation < 50%.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by 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 <sup>-1</sup>	0.05	
Flow Rate	ASTM D4491	gal/min/ft² (l/min/m²)	4 (163)	
MINIMUM TEST VALUE				
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	
PHYSICAL PROPERTIES	UNIT		ROLL SIZE	
Roll Dimensions (width x length)	ft (m)		12.5 432 (3.8 x 132)	
			15 x 360 (4.5 x 110)	
			17.5 x 309 (5.3 x 94.2)	
Roll Area	yd² (m²)		600 (502)	
Roll Weight	lbs (kg)		177 (80)	

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