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 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)	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)

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM ROLL VALUE
Permittivity	ASTM D4491	sec^{-1}	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 x 432 (3.8 x 132)
		15 x 360 (4.5 x 110)
		17.5 x 309 (5.3x94.2)
Roll Area	yd2 (m2)	600 (502)
Roll Weight	lbs (kg)	177 (80)
Label Color		

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