



Mirafi[®] 850X

Mirafi[®] 850X geotextile is composed of high-tenacity polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi[®] 850X geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are 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)	600 (2670)	500 (2225)
Grab Tensile Elongation	ASTM D4632	%	20 (max)	
Tensile Strength (at ultimate)	ASTM D4595	lbs/ft (kN/m)	400 (70.0)	400 (70.0)
Tensile Strength (at 2% strain)	ASTM D4595	lbs/ft (kN/m)	50 (8.8)	175 (30.6)
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	150 (26.3)	375 (65.7)
Trapezoid Tear Strength	ASTM D4533	lbs (N)	175 (779)	220 (979)
CBR Puncture Strength	ASTM D6241	lbs (N)	1950 (8678)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec ⁻¹	0.5	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	40 (1630)	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)	
			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)	15 x 300 (4.6 x 91)
Roll Area	yd ² (m ²)	500 (418)

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