



# Mirafi<sup>®</sup> 830X

Mirafi<sup>®</sup> 830X 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> 830X 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)	400 (1780)	400 (1780)
Grab Tensile Elongation	ASTM D4632	%	8	3
Trapezoid Tear Strength	ASTM D4533	lbs (N)	115 (512)	100 (445)
Mullen Burst Strength	ASTM D3786	psi (kPa)	430 (2965)	
Puncture Strength	ASTM D4833	lbs (N)	140 (623)	
Apparent Opening Size (AOS) <sup>1</sup>	ASTM D4751	U.S. Sieve (mm)	40 (0.43)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.2	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	15 (611)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

<sup>1</sup> ASTM D 4751, AOS is a Maximum Opening Diameter Value

Physical Properties	Unit	Typical Value
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.6 x 91)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)
Estimated Roll Weight	lb (kg)	300 (136)

TenCate Geosynthetics Americas is accredited by a2La (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

**Disclaimer:** TenCate assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. TenCate disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

© 2012 TenCate Geosynthetics Americas  
 Mirafi<sup>®</sup> is a registered trademark of Nicolon Corporation  
 Patent Pending

