

# Mirafi<sup>®</sup> 1100NC



Mirafi<sup>®</sup> 1100NC is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi<sup>®</sup> 1100NC is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are accredited by [a2La](#) (The American Association for Laboratory Accreditation) and Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Weight	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	9.5 (322)	
Grab Tensile Strength	ASTM D4632	lbs (N)	250 (1113)	250 (1113)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	90 (401)	90 (401)
CBR Puncture Strength	ASTM D6241	lbs (N)	600 (2670)	
Apparent Opening Size (AOS) <sup>1</sup>	ASTM D4751	U.S. Sieve (mm)	70 (0.212)	
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.7	
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	65 (2648)	
UV Resistance (at 500 hours) <sup>2</sup>	ASTM D4355	% strength retained	70	

<sup>1</sup> ASTM D4751: AOS is a Maximum Opening Diameter Value

<sup>2</sup> Modified

Physical Properties	Unit	Typical Value <sup>3</sup>
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.57 x 91.4)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)
Estimated Roll Weight	lb (kg)	320 (145)

<sup>3</sup> ASTM D4439 Standard Terminology for Geosynthetics: typical value, *n*—for *geosynthetics*, the mean value calculated from documented manufacturing quality control test results for a defined population obtained from one test method associated with on specific property.

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Testing Lab 1291.01 & 1291.02