



TENCATE GEOSYNTHETICS Americas





Mirafi® 1100NC

Mirafi[®] 1100NC is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative Mirafi[®] 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/yd² (g/m²)	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) ¹	ASTM D4751	U.S. Sieve (mm)	70 (0.212)	
Permittivity	ASTM D4491	sec ⁻¹	0.7	
Flow Rate	ASTM D4491	gal/min/ft2 (l/min/m2)	65 (2648)	
UV Resistance (at 500 hours) ²	ASTM D4355	% strength retained	70	

¹ ASTM D4751: AOS is a Maximum Opening Diameter Value

² Modified

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

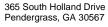
³ ASTM D4439 Standard Terminology for Geosynthetics: typical value, n—for geosynthetics, the mean value calculated from documented manufacturing quality control test results for a defined population obtained from one test method associated with on specific property.

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