



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 position. Mirafi® 1100NC is inert to biological degradation and resists 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
Weight	ASTM D5261	oz/yd ² (g/m ²)	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)	
			Maximum Opening Size	
Apparent Opening Size (AOS) ¹	ASTM D4751	U.S. Sieve (mm)	70 (0.212)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec ⁻¹	0.7	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	65 (2648)	
			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 (4.57 x 91.4)
Roll Area	yd ² (m ²)	500 (418)
Estimated Roll Weight	lb (kg)	320 (145)

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