



# Mirafi<sup>®</sup> 1120N

Mirafi<sup>®</sup> 1120N is a nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi<sup>®</sup> 1120N is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.3 (300)	1.3 (300)
Grab Tensile Elongation	ASTM D 4632	%	50	50
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.5 (115)	0.5 (115)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	4030.0 (585)	
Puncture Strength <sup>1</sup>	ASTM D 4833	kN (lbs)	0.8 (175)	
CBR Puncture Strength	ASTM D 6241	kN (lbs)	3.6 (800)	
Apparent Opening Size (AOS)	ASTM D 4751	mm (U.S. Sieve)	0.15 (100)	
Permittivity	ASTM D 4491	sec <sup>-1</sup>	0.8	
Flow Rate	ASTM D 4491	l/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> )	2648.1 (65)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	70	

<sup>1</sup> ASTM D 4833 has been replaced with ASTM D 6241

Physical Properties	Test Method	Unit	Typical Value
Weight	ASTM D 5261	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	413.6 (12.2)
Thickness	ASTM D 5199	mm (mils)	2.7 (105)
Roll Dimensions (width x length)	--	m (ft)	4.5 x 91 (15 x 300)
Roll Area	--	m <sup>2</sup> (yd <sup>2</sup> )	418 (500)
Estimated Roll Weight	--	kg (lb)	173 (381)

**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.