



## Mirafi® 1160N

Mirafi® 1160N 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® 1160N 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
Grab Tensile Strength	ASTM D4632	lbs (N)	380 (1691)	380 (1691)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	140 (623)	140 (623)
CBR Puncture Strength	ASTM D6241	lbs (N)	1025 (4561)	
<b>MAXIMUM OPENING SIZE</b>				
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	100 (0.15)	
MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM ROLL VALUE	
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> )	50 (2037)	
<b>MINIMUM TEST VALUE</b>				
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	
PHYSICAL PROPERTIES		UNIT	ROLL SIZE	
Roll Dimensions (width x length)		ft (m)	15 x 150 (4.57 x 46)	15 x 300 (4.57 x 91.4)
Roll Area		yd <sup>2</sup> (m <sup>2</sup> )	250 (209)	500 (418)
Roll Weight		lbs (kg)	225 (102)	430 (195)
Label Color			WHITE	

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