



## Mirafi® E1200

Mirafi® E1200 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® E1200 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
Weight	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	12.0 (407)
Grab Tensile Strength	ASTM D4632	lbs (N)	320 (1424)
Grab Tensile Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	125 (556)
CBR Puncture Strength	ASTM D6241	lbs (N)	900 (4005)
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	<b>Maximum Opening Size</b> 100 (0.15)

  

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM ROLL VALUE
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.7
Permeability	ASTM D4491	cm/sec	0.13
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	50 (2037)
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	<b>Minimum Test Value</b> 80

  

PHYSICAL PROPERTIES	UNIT	TYPICAL ROLL VALUE
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.5 x 91)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	500 (418)
Roll Weight	lb (kg)	400 (181)

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