

SPECIFICATION SHEET

1600NE NON-WOVEN GEOTEXTILE

1600NE is manufactured using polypropylene fibers that are formed into a dimensionally stable network, which allows the fibers to maintain their relative position. 1600NE resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST METHOD	MARV ENGLISH	MARV METRIC
Weight	ASTM D5261	16.0 oz/yd ²	542 g/m ²
Thickness	ASTM D5199	175 mils	4.45 mm
Tensile Strength (Grab)	ASTM D4632	425 x 425 lbs	1,890.5 x 1,890.5 N
Elongation (Grab)	ASTM D4632	50% x 50%	50% x 50%
Trapezoidal Tear Strength	ASTM D4533	150 x 150 lbs	667 x 667 N
CBR Puncture	ASTM D6241	1,200 lbs	5,338 N
UV Resistance (500 hrs)	ASTM D4355	70%	70%
Apparent Opening Size*	ASTM D4751	100 US Std. Sieve	0.150 mm
Permittivity	ASTM D4491	0.57 sec ⁻¹	0.57 sec ⁻¹
Permeability	ASTM D4491	.25 cm/sec	.25 cm/sec
Water Flow Rate	ASTM D4491	45 gpm/ft ²	1,833 lpm/m ²

*Maximum Average Roll Value

PROPERTY	TEST METHOD	TYPICAL ENGLISH	TYPICAL METRIC
Roll Dimensions	Measured	15 ft x 300 ft	4.6 x 91.5 m
Roll Area	Measured	500 yd ²	418 m ²

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1239 Notre Dame Drive, Box 178
Petersburg, ON N0B 2H0
Phone: (519)778-1953 Toll Free: 1-844-778-1953
www.bwgeotextiles.com

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