

SPECIFICATION SHEET

1000N NON-WOVEN GEOTEXTILE

1000N needle-punched nonwoven geotextile is manufactured using polypropylene fibers that are formed into a dimensionally stable network, which allows the fibers to maintain their relative position. 1000N needle-punched nonwoven geotextile resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST METHOD	MARV ENGLISH	MARV METRIC
Tensile Strength (Grab)	ASTM D4632	250 x 250 lbs	1,113 x 1,113 N
Elongation (Grab)	ASTM D4632	50% x 50%	50% x 50%
Trapezoidal Tear Strength	ASTM D4533	100 x 100 lbs	445 x 445 N
CBR Puncture	ASTM D6241	700 lbs	3,113 N
UV Resistance (500 hrs)	ASTM D4355	70%	70%
Apparent Opening Size*	ASTM D4751	100 US Std. Sieve	0.15 mm
Permittivity	ASTM D4491	1.2 sec ⁻¹	1.2 sec ⁻¹
Water Flow Rate	ASTM D4491	85 gpm/ft ²	3,454 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 91.4 m
Roll Area	Measured	500 yd ²	418 m ²

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