



EROSION  
PROTECTION



FILTRATION



DRAINAGE

SEPARATION

**WINFAB® 310N** 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.

**WINFAB® 310N** 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	80 x 80 lbs	355 x 355 N
Elongation (Grab)	ASTM D4632	50% x 50%	50% x 50%
Trapezoidal Tear Strength	ASTM D4533	25 x 25 lbs	111 x 111 N
CBR Puncture	ASTM D6241	175 lbs	778 N
UV Resistance (500 hrs)	ASTM D4355	70%	70%
Apparent Opening Size*	ASTM D4751	50 US Std. Sieve	0.30 mm
Permittivity	ASTM D4491	2.2 sec <sup>-1</sup>	2.2 sec <sup>-1</sup>
Water Flow Rate	ASTM D4491	150 gpm/ft <sup>2</sup>	6,112 lpm/m <sup>2</sup>

\*Maximum Average Roll Value

PROPERTY	TEST METHOD	TYPICAL ENGLISH	TYPICAL METRIC
Roll Dimensions	Measured	12.5 ft x 360 ft 15 ft x 360 ft	3.81 x 109.8 m 4.6 x 109.8 m
Roll Area	Measured	500 yd <sup>2</sup> 600 yd <sup>2</sup>	418 m <sup>2</sup> 502 m <sup>2</sup>

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WINFAB | [www.winfabusa.com](http://www.winfabusa.com)

1 Nashville Mills Rd. Nashville GA 31639  
Ph: (912) 534-5757 • Fax: (912) 534-5533



Initials: GK # : 87  
Date: 2016