



REINFORCING
SUCCESS

WINFAB® 450N 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® 450N needle-punched nonwoven geotextile resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PRODUCT DATA SHEET WINFAB® 450N



EROSION
PROTECTION



FILTRATION



DRAINAGE



SEPARATION

PROPERTY	TEST METHOD	MARV ENGLISH	MARV METRIC
Tensile Strength (Grab)	ASTM D4632	120 x 120 lbs	534 x 534 N
Elongation (Grab)	ASTM D4632	50% x 50%	50% x 50%
Trapezoidal Tear Strength	ASTM D4533	50 x 50 lbs	222 x 222 N
CBR Puncture	ASTM D6241	335 lbs	1,490
UV Resistance (500 hrs)	ASTM D4355	70%	70%
Apparent Opening Size*	ASTM D4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D4491	1.7 sec ⁻¹	1.7 sec ⁻¹
Water Flow Rate	ASTM D4491	120 gpm/ft ²	4,889 lpm/m ²

*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 ² 600 yd ²	418 m ² 502 m ²

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WINFAB | www.winfabusa.com
1 Nashville Mills Rd. Nashville GA 31639
Ph: (912) 534-5757 • Fax: (912) 534-5533

