



PRODUCT DATA SHEET
WINFAB® 450N
WINFAB® 450N-USA

WINFAB® 450N & WINFAB® 450N-USA 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 & WINFAB® 450N-USA 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
Grab Tensile Strength	ASTM D4632	120 x 120 lbs	534 x 534 N
Grab Elongation	ASTM D4632	50% x 50%	50% x 50%
Trapezoid Tear Strength	ASTM D4533	50 x 50 lbs	222 x 222 N
CBR Puncture Strength	ASTM D6241	335 lbs	1490 N
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	4889 lpm/m ²

*Maximum Average Roll Value

Domestic Procurement Preference

WINFAB® 450N-USA is compliant with the Build America, Buy America (BABA) Act, Pub. L. No. 117-58, div. G §§ 70901-52. To ensure BABA documentation is appropriately captured and maintained throughout the manufacturing process, BABA (along with any other regulatory requirements) must be specified at the time of quotation and order to WINFAB. The inclusion of a “-USA” suffix on the end of the style name indicates the product is BABA certifiable.

PROPERTY	TEST METHOD	TYPICAL ENGLISH	TYPICAL METRIC
Roll Dimensions	Measured	12.5 ft x 360 ft 15 ft x 360 ft	3.8 m x 110 m 4.6 m x 110 m
Roll Area	Measured	500 yd ² 600 yd ²	418 m ² 502 m ²

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