



**PRODUCT DATA SHEET**

**WINFAB 1000N**



**WINFAB 1000N** is a needlepunched nonwoven geotextile manufactured using polypropylene fibers that are formed into a dimensionally stable network, which allows the fibers to maintain their relative position. **WINFAB 1000N** 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	1113 x 1113 N
Elongation	ASTM D4632	50%	50%
CBR Puncture	ASTM D6241	625 lbs	2781 N
Trapezoidal Tear	ASTM D4533	100 x 100 lbs	445 x 445 N
UV Resistance (500 Hrs)	ASTM D4355	70%	70%
Apparent Opening Size (AOS)*	ASTM D4751	80 US Std. Sieve	0.180 mm
Permittivity	ASTM D4491	1.2 sec <sup>-1</sup>	1.2 sec <sup>-1</sup>
Water Flow Rate	ASTM D4491	85 gpm/ft <sup>2</sup>	3454 lpm/m <sup>2</sup>

\*Maximum Average Roll Valve

**Notes:**

- Mullen Burst ASTM D3786 has been removed. It is not recognized by ASTM D35 on Geosynthetics.
- Puncture ASTM D4833 has been removed. It is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D6241

PROPERTY	Typical English	Typical Metric
Roll Dimensions	15 x 300 ft	4.6 x 91.5 m
Roll Area	500 yd <sup>2</sup>	418 m <sup>2</sup>

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