

# WINFAB 1600N



**WINFAB 1600N** 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 1600N** 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 D-4632	380 x 380 lbs	1690 x 1690 N
Elongation	ASTM D-4632	50%	50%
CBR Puncture	ASTM D-6241	1025 lbs	4561 N
Trapezoidal Tear	ASTM D-4533	145 x 145 lbs	644 x 644 N
UV Resistance (500 hrs)	ASTM D-4355	70%	70%
Apparent Opening Size (AOS)*	ASTM D-4751	100 US Std. Sieve	0.150 mm
Permittivity	ASTM D-4491	0.7 sec <sup>-1</sup>	0.7 sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	50 gpm/ft <sup>2</sup>	2037 lpm/m <sup>2</sup>

\*Maximum Average Roll Valve

**Notes:**

- Mullen Burst ASTM D-3786 has been removed. It is not recognized by ASTM D-35 on Geosynthetics.
- Puncture ASTM D-4833 has been removed. It is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D-6241

PROPERTY	Typical English	Typical Metric
Roll Dimensions	15 x 150 ft	4.6 x 45.75 m
Roll Area	250 yd <sup>2</sup>	209 m <sup>2</sup>

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