WINFAB 1600N

FILTRATION   EROSION PROTECTION   DRAINAGE   SEPARATION

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 $^{-1}$	0.7 sec $^{-1}$
Water Flow Rate	ASTM D-4491	50 gpm/ft²	2037 lpm/m²

*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 yd²	209 m²