

WINFAB 310N



WINFAB 310N 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 310N 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	80 x 80 lbs	355 x 355 N
Elongation	ASTM D-4632	50%	50%
CBR Puncture	ASTM D-6241	210 lbs	934 N
Trapezoidal Tear	ASTM D-4533	30 x 30 lbs	134 x 134 N
UV Resistance (500 hrs)	ASTM D-4355	70%	70%
Apparent Opening Size (AOS)*	ASTM D-4751	50 US Std. Sieve	0.30 mm
Permittivity	ASTM D-4491	2.2 sec ⁻¹	2.2 sec ⁻¹
Water Flow Rate	ASTM D-4491	150 gpm/ft ²	6112 lpm/m ²

*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	12.5 x 360 ft 15 x 360 ft	3.81 x 109.8 m 4.6 x 109.8 m
Roll Area	500 yd ² 600 yd ²	418 m ² 502 m ²

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