



WINFAB 270HP



WINFAB 270HP is manufactured using high tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position.

WINFAB 270HP resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST METHOD	MARV English	MARV Metric
Wide Width Tensile	ASTM D-4595	2640 x 2460 lbs/ft	38.5 x 35.9 kN/m
Wide Width Tensile (2% Strain)	ASTM D-4595	480 x 588 lbs/ft	7.0 x 8.6 kN/m
Wide Width Tensile (5% Strain)	ASTM D-4595	1212 x 1356 lbs/ft	17.7 x 19.8 kN/m
Wide Width Tensile (10% Strain)	ASTM D-4595	2340 x 2412 lbs/ft	34.1 x 35.2 kN/m
UV Resistance (500 hrs)	ASTM D-4355	80%	80%
Apparent Opening Size (AOS)*	ASTM D-4751	30 US Std. Sieve	0.60 mm
Permittivity	ASTM D-4491	.70 sec ⁻¹	.70 sec ⁻¹
Permeability	ASTM D-4491	.04 cm/sec	.04 cm/sec
Water Flow Rate	ASTM D-4491	50 gpm/ft ²	2037 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	15 x 300 ft	4.6 x 91.5 m
Roll Area	500 yd ²	418 m ²

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