

WINFAB 4x4



WINFAB 4x4 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 4x4 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	575 x 500 lbs	2558 x 2225 N
Elongation	ASTM D-4632	15 x 12%	15 x 12%
Wide Width Tensile	ASTM D-4595	4800 x 4800 lbs/ft	70.1 x 70.1 kN/m
Wide Width Elongation	ASTM D-4595	8 x 6%	8 x 6%
Wide Width Tensile (5% Strain)	ASTM D-4595	1452 x 2604 lbs/ft	21.2 x 38 kN/m
CBR Puncture	ASTM D-6241	2200 lbs	9786 N
Trapezoidal Tear	ASTM D-4533	200 x 200 lbs	890 x 890 N
UV Resistance (500 hrs)	ASTM D-4355	90%	90%
Apparent Opening Size (AOS)*	ASTM D-4751	30 US Std. Sieve	0.60 mm
Permittivity	ASTM D-4491	.15 sec ⁻¹	.15 sec ⁻¹
Water Flow Rate	ASTM D-4491	10 gpm/ft ²	407.4 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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