

WINFAB 4x4HF



WINFAB 4x4HF 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 4x4HF 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	475 x 440 lbs	2114 x 1958 N
Elongation	ASTM D-4632	15 x 15%	15 x 15%
Wide Width Tensile	ASTM D-4595	4800 x 4800 lbs/ft	70 x 70 kN/m
Wide Width Elongation	ASTM D-4595	9 x 9%	9 x 9%
Wide Width Tensile (2% Strain)	ASTM D-4595	600 x 840 lbs/ft	8.8 x 12.3 kN/m
Wide Width Tensile (5% Strain)	ASTM D-4595	2400 x 2700 lbs/ft	35 x 39.4 kN/m
Wide Width Tensile (10% Strain)	ASTM D-4595	4800 x 3840 lbs/ft	70.1 x 56.1 kN/m
CBR Puncture	ASTM D-6241	2200 lbs	9790 N
Trapezoidal Tear	ASTM D-4533	200 x 200 lbs	890 x 890 N
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	.40 sec ⁻¹	.40 sec ⁻¹
Water Flow Rate	ASTM D-4491	30 gpm/ft ²	1222 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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