

# WINFAB 1211

**WINFAB 1211** 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 1211** 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	124 x 124 lbs	551.6 x 551.6 N
Elongation	ASTM D-4632	15%	15%
CBR Puncture	ASTM D-6241	325 lbs	1446 N
Trapezoidal Tear	ASTM D-4533	65 x 65 lbs	289.1 x 289.1 N
UV Resistance (500 hrs)	ASTM D-4355	70%	70%
Apparent Opening Size (AOS)*	ASTM D-4751	30 US Std. Sieve	0.60 mm
Permittivity	ASTM D-4491	0.05 sec <sup>-1</sup>	0.05 sec <sup>-1</sup>
Water Flow Rate	ASTM D-4491	10 gpm/ft <sup>2</sup>	407.4 lpm/m <sup>2</sup>

\*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	36 in x 1200 yds	.91 m x 1097 m
	36 in x Custom	.91 m x Custom
	42 in x 1200 yds	1.07 m x 1097 m
	42 in x Custom	1.07 m x Custom
	48 in x 1200 yds	1.22 m x 1097 m
	48 in x Custom	1.22 m x Custom

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