



REINFORCING  
SUCCESS

PRODUCT DATA SHEET  
WINFAB® 2199



WINFAB® 2199 geotextile fabric 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® 2199 geotextile fabric 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 D4632	370 x 250 lbs	1,645.8 x 1,112.1 N
Elongation (Grab)	ASTM D4632	15% x 15%	15% x 15%
Trapezoidal Tear Strength	ASTM D4533	100 x 100 lbs	445 x 445 N
CBR Puncture	ASTM D6241	950 lbs	4,228 N
UV Resistance (500 hrs)	ASTM D4355	90%	90%
Apparent Opening Size*	ASTM D4751	70 US Std. Sieve	0.212 mm
Percent Open Area (POA)	COE-02215	4%	4%
Permittivity	ASTM D4491	.28 sec <sup>-1</sup>	.28 sec <sup>-1</sup>
Permeability	ASTM D4491	.01 cm/sec	.01 cm/sec
Water Flow Rate	ASTM D4491	18 gpm/ft <sup>2</sup>	733 lpm/m <sup>2</sup>

\*Maximum Average Roll Value

PROPERTY	TEST METHOD	TYPICAL ENGLISH	TYPICAL METRIC
Roll Dimensions	Measured	6 ft x 300 ft 12 ft x 300 ft	1.83 m x 91.5 m 3.65 m x 91.5 m
Roll Area	Measured	200 yd <sup>2</sup> 400 yd <sup>2</sup>	167 m <sup>2</sup> 334 m <sup>2</sup>

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WINFAB | [www.winfabusa.com](http://www.winfabusa.com)  
1 Nashville Mills Rd. Nashville GA 31639  
Ph: (912) 534-5757 • Fax: (912) 534-5533

