

WINFAB 2199



WINFAB 2199 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 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	370 x 250 lbs	1647 x 1113 N
Elongation	ASTM D-4632	15 x 15%	15 x 15%
CBR Puncture	ASTM D-6241	950 lbs	4228 N
Trapezoidal Tear	ASTM D-4533	100 x 60 lbs	445 x 267 N
Wide Width Tensile (Ultimate)	ASTM D-4595	2700 x 1740 lbs/ft	39.40 x 25.39 kN/m
UV Resistance (500 hrs)	ASTM D-4355	90%	90%
Apparent Opening Size (AOS)*	ASTM D-4751	70 US Std. Sieve	0.212 mm
Percent Open Area (POA)	COE-02215	4%	4%
Permittivity	ASTM D-4491	.28 sec ⁻¹	.28 sec ⁻¹
Permeability	ASTM D-4491	.01 cm/sec	.01 cm/sec
Water Flow Rate	ASTM D-4491	18 gpm/ft ²	733 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	6 x 300 ft 12 x 300 ft	1.83 x 91.5 m 3.65 x 91.5 m
Roll Area	200 yd ² 400 yd ²	167 m ² 334 m ²

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