

SPECIFICATION SHEET

700NE NON-WOVEN GEOTEXTILE

700NE is manufactured using polypropylene fibers that are formed into a dimensionally stable network, which allows the fibers to maintain their relative position. 700NE resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST METHOD	MARV ENGLISH	MARV METRIC
Weight	ASTM D5261	7.0 oz/yd ²	237 g/m ²
Thickness	ASTM D5199	90 mils	2.29 mm
Tensile Strength (Grab)	ASTM D4632	200 x 200 lbs	890 x 890 N
Elongation (Grab)	ASTM D4632	50% x 50%	50% x 50%
Trapezoidal Tear Strength	ASTM D4533	75 x 75 lbs	333 x 333 N
CBR Puncture	ASTM D6241	540 lbs	2,402 N
UV Resistance (500 hrs)	ASTM D4355	70%	70%
Apparent Opening Size*	ASTM D4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D4491	1.4 sec ⁻¹	1.4 sec ⁻¹
Permeability	ASTM D4491	.30 cm/sec	.30 cm/sec
Water Flow Rate	ASTM D4491	110 gpm/ft ²	4,470 lpm/m ²

*Maximum Average Roll Value

PROPERTY	TEST METHOD	TYPICAL ENGLISH	TYPICAL METRIC
Roll Dimensions	Measured	15 ft x 300 ft	4.6 x 91.5 m
Roll Area	Measured	500 yd ²	418 m ²

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