



# GE-110

nonwoven geotextile

Style GE-110 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. GE-110 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a ph range of 2 to 13. Styles GE-110 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)	TYPICAL VALUE**
Weight	ASTM D 5261	oz/sy (g/m <sup>2</sup> )	10.0 (339)	10.4 (353)
Grab Tensile	ASTM D 4632	lbs (kN)	270 (1.2)	285 (1.267)
Grab Elongation	ASTM D 4632	%	50	65
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	100 (0.444)	110 (0.489)
Puncture Resistance	ASTM D 4833	lbs (kN)	165 (0.733)	173 (0.769)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	725 (3.223)	855 (3.800)
Mullen Burst Strength	ASTM D 3786	psi (kPa)	525 (3620)	630 (4345)
Permittivity*	ASTM D 4491	l/sec	0.94	1.20
Permeability*	ASTM D 4491	cm/sec	0.30	0.35
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	75 (3055)	90 (3660)
AOS*	ASTM D 4751	US Sieve (mm)	100 (0.150)	100-120 (.15 -.125)
UV Resistance	ASTM D 4355	%/hrs	70/500	80/500

\* At the time of manufacturing. Handling, storage and shipping may change these properties. \*\*Typical property values are for comparison purpose only.

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PACKAGING	
Roll Dimensions (W x L) – m x m	3.81 x 109.727 / 4.57 x 91.44
Square Meters Per Roll	418.06
Estimated Roll Weight - kg	145.1

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