



GE-112

nonwoven geotextile

Style GE-112 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. GE-112 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a ph range of 2 to 13. Style GE-112 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)	TYPICAL VALUE**
Nominal Weight	ASTM D 5261	oz/yd ² (g/m ²)	12 (407)	12.6 (427)
Nominal Thickness	ASTM D 5199	Mils (mm)	120 (3.05)	130 (3.30)
Grab Tensile	ASTM D 4632	lbs (kN)	330 (1.467)	350 (1.556)
Grab Elongation	ASTM D 4632	%	50	70
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	125 (.556)	130 (.578)
Puncture Resistance	ASTM D 4833	lbs (kN)	190 (.844)	210 (.934)
CBR Puncture	ASTM D 6241	lbs (kN)	900 (4.000)	980 (4.356)
Mullen Burst Strength	ASTM D 3786	psi	625 (4306)	690 (4757)
Permittivity*	ASTM D 4491	l/sec	0.90	1.00
Permeability*	ASTM D 4491	cm/sec	0.30	0.36
Water Flow*	ASTM D 4491	gpm/ft ² (l/sec/m ²)	70 (42.5)	75 (51)
AOS*	ASTM D 4751	US Sieve (mm)	100 (.150)	100-120 (.15-.125)
UV Resistance	ASTM D 4355	%/hrs	70/500	80/500

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

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PACKAGING	
Roll Dimensions (W x L) – Feet	12.5 x 360 / 15 x 300
Square Yards Per Roll	500
Estimated Roll Weight - Lbs	375

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