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Nonwoven Geotextile Specifications

Nonwoven geotextiles are produced by needle punching polypropylene synthetic staple fibers in a random network to form a high strength, dimensionally stable fabric. The fibers are specifically formulated to resist ultraviolet light deterioration, and are inert to commonly encountered soil chemicals. The fabric will not rot or mildew, is non-biodegradable, and is resistant to damage from insects and rodents. Polypropylene is stable within a ph range of 2 to 13.

Property	Test Method	Values	
Mass/Unit	ASTM D5261	8 oz. /yd ²	16 oz. /yd ²
Grab Tensile Strength	ASTM D4632	205 lbs.	380 lbs.
Grab Elongation	ASTM D4632	50%	50%
Trapezoidal Tear	ASTM D4533	85 lbs.	145 lbs.
Puncture Strength	ASTM D4833	130 lbs.	240 lbs.
Mullen Burst	ASTM D3786, Modified	400 psi	750 psi
Permittivity	ASTM D4491	1.4 sec ⁻¹	0.7 sec ⁻¹
Wide Width Tensile	ASTM D4595	900 lbs./ft	1200 lbs./ ft
Water Flow Rate	ASTM D4491	90 gpm/ft ²	50 gpm/ft ²
Apparent Opening Size (AOS)	ASTM D4751	80	100
UV Resistance @ 500 Hours	ASTM D4355	70%	70%
Typical Roll Sizes		15' x 300'	15' x 150'

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