



SPECIFICATION SHEET

Toll Free (800) 955-4637 www.AccuGeo.com
Ph. (661) 321-0447 Fax (661) 321-0449
321 Industrial St. Bakersfield, CA 93307

Nonwoven Geotextile

AccuGeo's nonwoven geotextiles are produced by needlepunching polypropylene synthetic staple fibers in a random network to form a high strength, dimensionally stable fabric. The fibers are specially 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 Area | 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), US Std. Sieve | ASTM D4751 | 80 | 100 |
| UV Resistance @ 500 hrs, Strength Retained | ASTM D4355 | 70% | 70% |
| Typical Roll Sizes | | 15' x 300' | 15' x 150' |

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