



Patriot Geosynthetics PATRIOT 3500N is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. PATRIOT 3500N is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

PATRIOT 3500N meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

| MECHANICAL PROPERTIES | TEST METHOD | UNIT | MINIMUM AVERAGE ROLL VALUE | |
|-------------------------|-------------|------------|----------------------------|----------|
| | | | MD | CD |
| Grab Tensile Strength | ASTM D4632 | lbs/ft (N) | 90 (401) | 90 (401) |
| Grab Tensile Elongation | ASTM D4632 | % | 50 | 50 |
| Trapezoid Tear Strength | ASTM D4533 | lbs (N) | 40 (178) | 40 (178) |
| CBR Puncture Strength | ASTM D6241 | lbs (N) | 250 (1113) | |

| | | | MINIMUM ROLL VALUE |
|--------------|------------|---|--------------------|
| Flow Rate | ASTM D4491 | gal/min/ft ² (l/min/m ²) | 145 (5907) |
| Permittivity | ASTM D4491 | sec ⁻¹ | 2.0 |

| | | | MAXIMUM OPENING SIZE |
|-----------------------------|------------|-----------------|----------------------|
| Apparent Opening Size (AOS) | ASTM D4751 | U.S. Sieve (mm) | 50 (0.30) |

| | | | MINIMUM TEST VALUE |
|------------------------------|------------|---------------------|--------------------|
| UV Resistance (at 500 hours) | ASTM D4355 | % strength retained | 70 |

| PHYSICAL PROPERTIES | UNIT | ROLL SIZE | |
|----------------------------------|-----------------------------------|------------------------|-----------------------|
| Roll Dimensions (width x length) | ft (m) | 12.5 X 360 (3.8 X 110) | 15 X 360 (4.57 X 110) |
| Roll Area | yd ² (m ²) | 500 (418) | 600 (502) |
| Estimated Roll Weight | lbs (kgs) | 130 (59) | 152 (69) |

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