

GEOTEX[®] 861 is a polypropylene, staple fiber, needle-punched nonwoven geotextile produced by Propex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The fibers are needed to form a stable network that retains dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

GEOTEX[®] 861 conforms to the property values listed below¹. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

| PROPERTY | TEST METHOD | MARV ² | |
|------------------------------------------|-------------|-------------------------|---------------------------|
| | | ENGLISH | METRIC |
| ORIGIN OF MATERIALS | | | |
| % U.S. Manufactured | | 100% | 100% |
| PHYSICAL | | | |
| Mass/Unit Area | ASTM D-5261 | 8.0 oz/yd ² | 271 g/m ² |
| Thickness | ASTM D-5199 | 90 mils | 2.3 mm |
| MECHANICAL | | | |
| Grab Tensile Strength | ASTM D-4632 | 230 lbs | 1023 N |
| Grab Elongation | ASTM D-4632 | 50% | 50% |
| CBR Puncture | ASTM D-6241 | 600 lbs | 2669 N |
| Trapezoidal Tear | ASTM D-4533 | 95 lbs | 423 N |
| ENDURANCE | | | |
| UV Resistance at 500 hrs | ASTM D-4355 | 70% | 70% |
| HYDRAULIC | | | |
| Apparent Opening Size (AOS) ³ | ASTM D-4751 | 80 US Std. Sieve | 0.180 mm |
| Permittivity | ASTM D-4491 | 1.5 sec ⁻¹ | 1.5 sec ⁻¹ |
| Permeability | ASTM D-4491 | 0.38 cm/sec | 0.38 cm/sec |
| Water Flow Rate | ASTM D-4491 | 110 gpm/ft ² | 4482 l/min/m ² |
| ROLL SIZES⁴ | | 15 ft x 300 ft | 4.57 m x 91.5 m |

NOTES:

- The property values listed above are effective 07/22/2020 and are subject to change without notice.
- Values shown are in weaker principal direction. Minimum average roll values (MARV) are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported. Values represent testing at time of manufacture.
- Maximum average roll value.
- Contact your local Territory Business Manager (TBM) for custom widths and colors. Lead times may vary depending on customer requirements and volume requested.



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