

GEOTEX® **861** is a polypropylene, staple fiber, needlepunched 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 needled 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).

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TEST METHOD	ENGLISH	METRIC			
	100%	100%			
	100%	100%			
ASTM D-5261	8.0 oz/yd ²	271 g/m ²			
ASTM D-5199	90 mils	2.3 mm			
ASTM D-4632	220 lbs	979 N			
ASTM D-4632	50%	50%			
ASTM D-4833	135 lbs	601 N			
ASTM D-6241	575 lbs	2559 N			
ASTM D-3786	420 psi	2895 kPa			
ASTM D-4533	95 lbs	423 N			
ENDURANCE					
ASTM D-4355	70%	70%			
ASTM D-4751	80 US Std. Sieve	0.180 mm			
ASTM D-4491	1.5 sec ⁻¹	1.5 sec ⁻¹			
ASTM D-4491	0.38 cm/sec	0.38 cm/sec			
ASTM D-4491	110 gpm/ft ²	4482 l/min/m ²			
	15 ft x 300 ft	4.57 m x 91.5 m			
	ASTM D-5261 ASTM D-5199 ASTM D-4632 ASTM D-4632 ASTM D-4833 ASTM D-6241 ASTM D-3786 ASTM D-4533 ASTM D-4533 ASTM D-4531 ASTM D-4355	ASTM D-5261 8.0 oz/yd² ASTM D-5199 90 mils ASTM D-4632 220 lbs ASTM D-4632 50% ASTM D-4632 50% ASTM D-4833 135 lbs ASTM D-6241 575 lbs ASTM D-3786 420 psi ASTM D-4533 95 lbs ASTM D-4533 70% ASTM D-4355 70% ASTM D-4491 1.5 sec⁻¹ ASTM D-4491 0.38 cm/sec ASTM D-4491 110 gpm/ft²			

NOTES:

- 1. The property values listed above are effective 04/2011 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.
- 3. Maximum average roll value.



ENGINEERING EARTH www.geotextile.com

Propex Operating Company, LLC ⋅ 6025 Lee Highway, Suite 425 ⋅ PO Box 22788 ⋅ Chattanooga, TN 37422 ph 423 899 0444 ⋅ ph 800 621 1273 ⋅ fax 423 899 7619

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