

# AGRUTEX 201

## Polypropylene Geotextile



**Agrutex 201** is a polypropylene, staple fiber, needlepunched nonwoven geotextile. 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.

**Agrutex 201** conforms to the property values listed below.<sup>1</sup> Agru America's Laboratories are accredited by the Geosynthetic Accreditation Institute's Laboratory Accreditation Program (GAI-LAP) and the American Association of State Highway Transportation Officials' National Transportation Product Evaluation Program (NTPEP).

PROPERTY	TEST METHOD	MARV	
		ENGLISH	METRIC
<b>Physical</b>			
Mass/Unit Area	ASTM D-5261	20.0 oz/yd <sup>2</sup>	680 g/m <sup>2</sup>
Thickness <sup>2</sup>	ASTM D-5199	200 mils	5 mm
<b>Mechanical</b>			
Tensile Strength (Grab)	ASTM D-4632	390 lbs	1736 N
Elongation	ASTM D-4632	50%	50%
CBR Puncture	ASTM D-6241	1125 lbs	5006 N
Trapezoidal Tear	ASTM D-4533	150 lbs	668 N
<b>Endurance</b>			
UV Resistance % Retained at 500 hrs	ASTM D-4355	70%	70%
<b>Hydraulic</b>			
Apparent Opening Size (AOS) <sup>2,3</sup>	ASTM D-4751	100 US Std. Sieve	0.150 mm
Permittivity <sup>2</sup>	ASTM D-4491	0.5 sec <sup>-1</sup>	0.5 sec <sup>-1</sup>
Permeability <sup>2</sup>	ASTM D-4491	0.2 cm/sec	0.2 cm/sec
Water Flow Rate <sup>2</sup>	ASTM D-4491	45 gpm/ft <sup>2</sup>	1833 l/min/m <sup>2</sup>
<b>Roll Sizes</b>		15ft x 150ft	4.57m x 45.72m

**NOTES:**

1. Effective January 2015 and subject to change without notice.
2. Values established at the time of manufacturing. Handling, storage, and shipping may change these properties.
3. Apparent Opening Size, (AOS), reported as maximum average roll value.

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Executive Offices: 500 Garrison Road, Georgetown, SC 29440 (843) 546-0600, (800) 321-1379

Manufacturing: 181 Hwy 521 Andrews, SC (843) 221-4121, (800) 321-1379

email: [salesmkg@agruamerica.com](mailto:salesmkg@agruamerica.com)

website: [www.agruamerica.com](http://www.agruamerica.com)