



# Agru GeoClay WN36

## Geotextile Component

Geotextile Property	Test Method	Frequency	Minimum	Average	Roll Value
Upper Nonwoven, Mass/Unit Area, oz/yd <sup>2</sup> (g/m <sup>2</sup> )	ASTM D5261	200,000 sf		6.0	(200)
Lower Woven, Mass/Unit Area, oz/yd <sup>2</sup> (g/m <sup>2</sup> )	ASTM D5261	200,000 sf		3.1	(100)

Bentonite Property <sup>1</sup>	Test Method	Frequency	Minimum	Average	Roll Value
Swell Index, ml/2 g min	ASTM D5890	100,000 lb		24	
Moisture Content, %	ASTM D4643	100,000 lb		12% max	
Fluid Loss, ml	ASTM D5891	100,000 lb		18 max	

Finished GCL Property	Test Method	Frequency	Minimum	Average	Roll Value
Bentonite, Mass/Unit Area <sup>2</sup> , lb/ft <sup>2</sup> (kg/m <sup>2</sup> )	ASTM D5993	40,000 sf		0.75	(3.6)
Tensile Strength <sup>3</sup> , lb/in (N/cm)	ASTM D6768	40,000 sf		30	(53)
Peel Strength <sup>3</sup> lb/in (N/cm)	ASTM D6496	40,000 sf		3.5	(6.1)
Hydraulic Conductivity <sup>4</sup> cm/sec max	ASTM D5887	1/week		5 x 10 <sup>-9</sup>	
Index Flux <sup>4</sup> m <sup>3</sup> /m <sup>2</sup> /sec max	ASTM D5887	1/week		1 x 10 <sup>-8</sup>	
Internal Shear Strength <sup>5</sup> psf (kPa)	ASTM D6243	Periodically		500	(24) Typical

## Supply Information

Roll Size	Width		Length		Area	
	ft	m	ft	m	ft <sup>2</sup>	m <sup>2</sup>
	15.5	4.7	150	45.7	2,325	216

### Notes:

- (1) Bentonite properties tests performed at a bentonite processing facility prior to shipment to GCL production facility.
  - (2) Reported at 0% moisture
  - (3) Tensile strength testing performed in MD using ASTM D 6768.
  - (4) Deaired, deionized water @5 psi maximum effective confining stress and 2 psi head pressure.
  - (5) Specimens are hydrated for 24 hours and sheared at 200 psf. Represent typical peak value.
- Rolls weigh approximately 2,600 lbs, are supplied with two straps and wound on a 4.75" core.

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