



Agru GeoClay NN36

Mining Applications

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

Finished GCL Property	Test Method	Minimum Average Roll Value
Bentonite, Mass/Unit Area ² , lb/ft ² (kg/m ²)	ASTM D5993	0.50 (2.4)
Tensile Strength ³ , lb/in (N/cm)	ASTM D6768	25 (43)
Peel Strength ³ lb/in (N/cm)	ASTM D6496	3.5 (6.1)
Hydraulic Conductivity ⁴ cm/sec max	ASTM D5887	1 x 10 ⁻⁸
Index Flux ⁴ m ³ /m ² /sec max	ASTM D5887	3 x 10 ⁻⁸
Internal Shear Strength ⁵ psf (kPa)	ASTM D6243	500 (24) Typical

Supply Information

Roll Size	Width		Length		Area	
	ft	m	ft	m	ft ²	m ²
	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.
- (6) Data presented above is tentative pending production values.

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