

### GEOSYNTHETIC CLAY LINER GCL Series

Geosynthetic Clay Liners (GCL Series) are geotextile and bentonite composites (typically sodium bentonite sandwiched between two layers of geotextile) engineered for a variety of environmental containment applications. The geotextiles offer a long lasting resistance to physical or chemical break-down in harsh elements, while the bentonite's high swelling capacity and low permeability provide an effective hydraulic seal.

### Product Specifications

PROPERTIES	TEST METHOD	UNIT	NOMINAL VALUE
<b>Geosynthetic Clay Liner</b>			
Mass per unit area	ASTM D 5993	g/m <sup>2</sup>	≥4000
Tensile Strength	ASTM D 4595	kN/m	≥6
Elongation At Break	ASTM D 4595	%	≥10
Peel Strength	ASTM D 6496	N/m	400
Permeability	ASTM D 5587	m/s	5 × 10 <sup>-11</sup>
<b>Bentonite Layer</b>			
Free Swell	ASTM D 5890	ml/2g	≥24
Fluid Loss	ASTM D 5891	ml	≤18
<b>Geotextile Layers</b>			
Woven Geotextile Weight	ASTM D 5261	g/m <sup>2</sup>	According to customer requirements
Non woven Geotextile Weight	ASTM D 5261	g/m <sup>2</sup>	

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