

Geosynthetic Clay Liners

Technical Specifications

GCL 5000G

Properties	Test Method	Unit	Value
Bentonite Specifications			
Bentonite Swell Index	ASTM D5890	mL/2g	≥ 24
Bentonite Fluid Loss	ASTM D5891	mL	≤ 18
Montmorillonite Content	ASTM C837	% of Bulk Sample	≥ 70
GCL Components (Mass per Unit Area)			
Cover Non-woven Geotextile Mass	AS 3706.1	g/m ²	270
Bentonite Mass	ASTM D5993	g/m ²	4,600
Carrier Woven Geotextile Mass	AS 3706.1	g/m ²	110
GCL Total Mass	ASTM D5993	g/m ²	4,980
GCL Strength			
Tensile Strength	ASTM D4595	kN/m	≥ 8
Tensile Elongation	ASTM D4595	%	≥ 10
CBR Strength	AS 3706.4	kN	≥ 1.9
GCL Hydraulic Properties			
Permeability	ASTM D5887	cm/s	≤ 5.0 x 10 ⁻¹¹

* Mykowell supplies GCL with various grades and compositions to suit field conditions and operating requirements.

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