

GEOSYNTHETIC CLAY LINER(GCL)TECHNIAL DATA SHEET

No.	Property	TestMethod	Unit	JPBC4800
1	Geotextile layers			
	Geotextile of cover layer			PP non-woven geotextile
	Mass per unit area	ASTMD5261	g/m ²	200
	Geotextile of carrier layer			PP black woven layer
	Mass per unit area	ASTMD5261	g/m ²	≥100
2	Bentonite layer			
	Type			Natural Sodium Bentonite
	Mass per unit area	ASTMD5993	g/m ²	≥4800
	Swel index	ASTMD5890	ml/2g	≥24
	Fluid Loss	ASTMD5891	ml	≤18
	Moisture Content	DIN18121(5hrs,105)	%	12
3	Geosynthetic clay liner			
	Mass per unit area	ASTMD5993	g/m ²	≥5140
	Thickness	ASTMD5199	mm	6.0
	Max.tensile strength -AtMD -AtCD	ASTMD4595	KN/m	4 4
	Elongation	ASTMD4595	%	17.0
	Max. peel strength	ASTMD6496	N/10cm	≥36
	Index Flux	ASTMD5887	M ³ /sec- m ²	1x10 ⁻¹¹
	Permeability	ASTMD5887	m/s	≤2x10 ⁻¹¹
	PunctureForce	ENISO12236	N	3000

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