

GEOSYNTHETIC CLAY LINER (GCL)

TECHNIAL DATA SHEET

No.	Property	Test Method	Unit	JPBC 4800	JPBC 3500
1	Geotextile layers				
	Geotextile of cover layer			PP non-woven geotextile	PP non-woven Geotextile
	Mass per unit area	ASTM D 5261	g/m ²	200	200
	Geotextile of carrier layer			PP black woven layer	PP woven Geotextile
	Mass per unit area	ASTM D 5261	g/m ²	≥100	≥100
2	Bentonite layer				
	Type			Natural Sodium Bentonite	Natural Sodium Bentonite
	Mass per unit area	ASTM D 5993	g/m ²	≥4800	≥3500
	Swell index	ASTM D 5890	ml/2g	≥24	≥24.0
	Fluid Loss	ASTM D 5891	ml	≤18	≤18.0
	Moisture Content	DIN 18121 (5hrs, 105)	%	12	12
3	Geosynthetical clay liner				
	Mass per unit area	ASTM D 5993	g/m ²	≥5140	≥3830
	Thickness	ASTM D 5199	mm	6.0	5.0
	Max. tensile strength	ASTM D 4595	KN/m		
	-At MD			4	4
	-At CD			4	4
	Elongation	ASTM D 4595	%	17.0	17.5
	Max. peel strength	ASTM D 6496	N/10cm	≥36	≥36
	Index Flux	ASTM D 5887	M ³ /sec-m ²	1x10 ⁻¹¹	1x10 ⁻¹¹
	Permeability	ASTM D 5887	m/s	≤2 x 10 ⁻¹¹	2x10 ⁻¹¹
	Puncture Force	EN ISO 12236	N	3000	2600



The information given in this data sheet is based on tests conducted at our in-house laboratory and independent accredited laboratories. While the information is presented as a true and accurate representation of the attributes of the products to the best of our knowledge, no expressed or implied warranties are made and JEEVAN GROUP assumes no responsibility or liability with regard to the use of this information. The right to make periodic revisions of the specifications without prior notice is reserved

Checked by