

# GBL Geofelt Bentonite Liners

## BENFELT 5 CS 0.2



Mechanically bonded composite, consisting of pulverized or granulated bentonite, embedded and fixed between two layers of geo-textile and glued to a membrane.

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### Mass per unit area (average)

Carrier Layer	PP Woven	100 g/m <sup>2</sup>
Inlay	Na-Bentonite	5.000 g/m <sup>2</sup>
Cover Layer	PP Nonwoven	200 g/m <sup>2</sup>
	PE membrane	0,2 mm
Total Product Weight	ASTM D 5993	5.500 g/m <sup>2</sup> (+/- 10 %)

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### Bentonite Properties

Montmorillonite Content	CUR 33	≥ 75 %
Swelling Capacity	ASTM D 5890	> 24 ml/2g
Moisture Content	DIN 18121-1 / 18121-2	max 12 %

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### Physical Properties of the Composite

Thickness	EN ISO 9863-1 / 9863-2	7,6 mm
Index Flux	ASTM D 5887	NOT MEASUREABLE
Permeability	ASTM D 5887	NOT MEASUREABLE
Tensile Strength MD	EN ISO 10319	10,4 kN/m (- 10 %)
Tensile Strength CD	EN ISO 10319	10,4 kN/m (- 10 %)
CBR Puncture Strength	EN ISO 12236	1,8 kN (- 10 %)
Peel Strength	ASTM D 6496	60 N/10 cm (-10 %)

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### Durability:

-cover in installation day

-durability 25 years at natural base and pH between 4 and 9 and temperature < 25°C.

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<b>Standard Roll Dimensions</b>	Length/Width	35/20/5 x 5,0/2,5/1,25 m
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These data are average values derived from standard tests and are subject to usual product variation. The right is reserved to make changes without notice at any time.  
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