

GEOSYNTHETIC BENTONITE MEMBRANE

ISOBENT-K

Characteristics	Test method	Unit	Reference
<u>Geotextiles</u>			
Nonwoven geotextile Mass per unit area	BSS EN 965	g/m ²	200 ± 20
Woven geotextile Mass per unit area	BSS EN 965	g/m ²	100 ± 10
<u>Bentonite</u>			Natural sodium granulated bentonite
Mass per unit area	BSS EN 965	kg/m ²	4.5 ÷ 4.7
Swell Index	ASTM D 5890	ml/2g	Min. 24
Fluid loss	ASTM D 5891	ml	Max. 18
Water content		%	8 ÷ 12
<u>Geosynthetic bentonite membrane</u>			
Mass per unit area	BSS EN 965	kg/m ²	4.8 ÷ 5.0
Thickness	BSS EN 964-1	mm	6 ± 1
Tensile strength - machine direction - cross machine direction	BSS EN ISO 10319	kN/m	> 10-12 > 8-11
Relative elongation - machine direction - cross machine direction	BSS EN ISO 10319	%	13 ± 0,4% 7,5 ± 0,2%
Static puncture	BSS EN ISO 12236	kN	> 3
Permeability - Hydraulic Conductivity - Index flux	ASTM D 5887	m/s m ³ /(m ² /s)	(1÷1.5) x 10 ⁻¹¹ 5 x 10 ⁻⁹
Roll dimensions: - width - length - diameter		m	1.15 5 Ø 0.21