



TECHNICAL DATA SHEET

ISOBENT® M5005

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Property	Test Method	Frequency	Unit	ISOBENT® M5005
BENTONITE				
Swell Index	ASTM D-5890	50 Tonnes	ml/2g	>27
Fluid Loss	ASTM D-5891	50 Tonnes	ml	< 16
Non-Woven Geotextile				
Type	Polypropylene			
Mass Per Unit Area	ASTM D-5261	20,000 m ²	g/m ²	300
Woven Geotextile				
Type	Polypropylene			
Mass Per Unit Area	ASTM D-5261	20,000 m ²	g/m ²	130
Membrane				
Type	LLDPE			
Thickness	ASTM D 5199	20,000 m ²	mm	0.5
GCL				
Mass Per Unit Area	ASTM D-5993	4,000 m ²	g/m ²	5500
Thickness	EN ISO 9863-1	20,000 m ²	mm	7
Moisture Content	ASTM D-5993	4,000 m ²	%	10
Tensile Strength-MD	ASTM D-6768	20,000 m ²	kN/m	8
Peel Strength	ASTM D-6496	4,000 m ²	N/m	500
Peel Strength/GM-GT	ASTM D-6496	4,000 m ²	N/m	500
Permeability	ASTM D-5887	25000 m ²	m/sec	1 × 10 ⁻¹¹
Index Flux	ASTM D-5887	25000 m ²	m ³ /sec-m ²	1 × 10 ⁻⁸
Permeability against Cacl ₂ permeate				
At 35 KPa	ASTM D-6766	Yearly	m/sec	8.3 × 10 ⁻¹⁰
At 500 KPa	ASTM D-6766	Yearly	m/sec	1.5 × 10 ⁻¹¹
Supply Specifications				
Roll Dimension - Width	4 ⁽¹⁾		m	
Roll Dimension - Length	30 , 40 , 50 ⁽¹⁾		m	
Area (Surface-Roll)	120, 160, 200		m ²	

⁽¹⁾ Length/width of the roll according to customer's requirements

All information contained here is believed to be accurate, but is not warranted. It does not represent any assurance of properties and fitness for use of the product. The above mentioned specifications may be changed without any notice.