



# TECHNICAL DATA SHEET

## ISOBENT® M5000S

Mokarrar Composite Co.: No.23, 64 St, Yousef Abad Ave., Tehran, Iran  
 Tel.: +98 (21) 8860 22 78-9 Fax: +98 (21) 8860 22 80  
 www.geo-mokarrar.com info@geo-mokarrar.com

Property	Test Method	Frequency	Unit	ISOBENT® M5000S
<b>BENTONITE</b>				
Swell Index	ASTM D-5890	50 Tonnes	ml/2g	>27
Fluid Loss	ASTM D-5891	50 Tonnes	ml	< 16
<b>Non-Woven Geotextile</b>				
Type	Polypropylene			
Mass Per Unit Area	ASTM D-5261	20,000 m <sup>2</sup>	g/m <sup>2</sup>	300
<b>Woven Geotextile</b>				
Type	Polypropylene			
Mass Per Unit Area	ASTM D-5261	20,000 m <sup>2</sup>	g/m <sup>2</sup>	110
<b>GCL</b>				
Mass Per Unit Area	ASTM D-5993	4,000 m <sup>2</sup>	g/m <sup>2</sup>	5000
Thickness	EN ISO 9863-1	20,000 m <sup>2</sup>	mm	6
Moisture Content	ASTM D-5993	4,000 m <sup>2</sup>	%	10
Tensile Strength-MD	ASTM D-6768	20,000 m <sup>2</sup>	kN/m	10
Peel Strength	ASTM D-6496	4,000 m <sup>2</sup>	N/m	650
Permeability	ASTM D-5887	25000 m <sup>2</sup>	m/sec	1 × 10 <sup>-11</sup>
Index Flux	ASTM D-5887	25000 m <sup>2</sup>	m <sup>3</sup> /sec-m <sup>2</sup>	1 × 10 <sup>-8</sup>
Permeability against Cacl <sub>2</sub> permeate				
At 35 KPa	ASTM D-6766	Yearly	m/sec	8.3 × 10 <sup>-10</sup>
At 500 KPa	ASTM D-6766	Yearly	m/sec	1.5 × 10 <sup>-11</sup>
<b>Supply Specifications</b>				
Roll Dimension - Width	5 <sup>(1)</sup>		m	
Roll Dimension - Length	30 , 40 , 50 <sup>(1)</sup>		m	
Area (Surface-Roll)	150, 200, 250		m <sup>2</sup>	

*(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.*