TECHNICAL DATA SHEET

Bentoliner 5000, ST

PROPERTY(1)	TEST METHOD	FREQUENCY	UNIT Metric	1084552
SPECIFICATIONS				
GEOTEXTILE PROPERTY		-		
Cap Layer	-	-		PP Nonwoven
Cap Mass per Unit area	ASTM D5261	50,000 m²	g/m²	200
Carrier Layer	-	-		PP Woven
Carrier Mass per Unit Area	ASTM D5261	50,000 m²	g/m²	110
BENTONITE PROPERTY	-	-		
Moisture Content (max.)	ASTM D4643	25,000 kg	%	13
Swell Index (min.)	ASTM D5890	25,000 kg	ml/2 g	24
Fluid Loss (max.)	ASTM D5891	25,000 kg	ml	18
FINISHED GCL PROPERTY	-	-		
Bentonite Mass at 13% moisture (2)	ASTM D5993	4,000 m²	g/m²	4700
Finished GCL Mass at 13% moisture (2)	ASTM D5993	4,000 m²	g/m²	5000
Tensile Strength MD (3)	ASTM D4595	20,000 m²	kN/m	13
Tensile Strength (CMD)(3)	ASTM D4595	20,000 m²	kN/m	9
Peel Strength (2)	ASTM D6496	4,000 m²	N/m	400
Puncture Strength (CBR) (min.avg.)	ASTM D6241	20,000 m²	N	1800
Hydraulic Conductivity ($x10^{-11}$)	ASTM D5887	25,000 m²	m/s	1
Index Flux ($x10^{-9}$)	ASTM D5887	25,000 m²	m³/m²/sec	3
SUPPLY SPECIFICATIONS(Roll dimensions may vary ±1%)				
Roll Dimension - Width	-		m	5.00
Roll Dimension - Length	-		m	45.0
Area (Surface/Roll)	-		m²	225.00

NOTES

1. Testing frequency based on standard roll dimensions.
2. Average value with -10% tolerance.
3. Average value with -2 kN/m tolerance.

* All values, unless otherwise noted, are guiding values.
* The information contained herein is provided for reference purposes only and is not intended as a warranty or guarantee. Final determination of suitability for use contemplated is the sole responsibility of the user. We assume no liability in connection with the use of this information.

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