

Materials	Symbol	Test Method		
<b>Polymer</b>			PET/PET	
<b>Coating</b>			PVC	
Tensile Properties	Symbol	Test Method	kN/m	lbf/ft
<b>MD-Ultimate Strength<sup>1</sup></b>	T <sub>ULT</sub>	ASTM D 6637	156	10688
<b>MD-Creep Limited Strength</b>	T <sub>L</sub>	ASTM D 5262	100.6	6895
<b>CMD-Ultimate Strength<sup>1</sup></b>	T <sub>ULT</sub>	ASTM D 6637	30.6	2100
Reduction Factors	Symbol	Test Method		
<b>Creep Reduction Factor</b>	RF <sub>CR</sub>	ASTM D 5262	1.55	1.55
<b>Durability Reduction Factor (3&lt;pH&lt;9)</b>	RF <sub>D</sub>	ASTM D 2455	1.10	1.10
<b>Installation Damage Reduction Factor</b>	RF <sub>ID</sub>	ASTM D 5818		
Soil Type 1 (Sand, Silt, & Clay, D50<6mm)			1.05	1.05
Soil Type 2 (.075" minus angular aggregate, D50<6mm)			1.10	1.10
Soil Type 3 (1.5" minus angular aggregate, D50<20mm)			1.25	1.25
Design Strength Properties	Symbol	Test Method		
<b>Long Term Design Strength<sup>2</sup></b>				
T <sub>ULT</sub> /RF for Soil Type 1	LTDS		87.1	5970
T <sub>ULT</sub> /RF for Soil Type 2	LTDS		83.2	5699
T <sub>ULT</sub> /RF for Soil Type 3	LTDS		73.2	5015
Design Interaction Properties	Symbol	Test Method		
<b>Coefficient of Interaction</b>	C <sub>i</sub>	ASTM D 6706		
Soil Type 1				0.85
Soil Type 2				0.85
Soil Type 3				0.85
<b>Coefficient of Direct Sliding</b>	C <sub>dis</sub>	ASTM D 5321		
Soil Type 1				0.85
Soil Type 2				0.85
Soil Type 3				0.85

<i>Physical Properties</i>	<i>Units</i>		<i>Test Method</i>	<i>SI</i>	<i>US</i>
	<i>SI</i>	<i>US</i>			
<b>MD-Aperture Size</b>	<i>mm</i>	<i>in</i>	<i>Measured</i>	20.32	0.80
<b>CMD-Aperture Size</b>	<i>mm</i>	<i>in</i>	<i>Measured</i>	18.29	0.72
<b>Packaging</b>					
<b>Roll Width</b>	<i>mm</i>	<i>ft</i>	<i>Measured</i>	2.5	8.2
<b>Roll Length</b>	<i>mm</i>	<i>ft</i>	<i>Measured</i>	67	220
<b>Area Per Roll</b>	<i>m<sup>2</sup></i>	<i>yds<sup>2</sup></i>	<i>Measured</i>	167.5	200.3
<b>Weight Per Roll</b>	<i>kgs</i>	<i>lbs</i>	<i>Measured</i>	100	221

<sup>1</sup>The values reported are calculated as the mean value minus two standard deviations. Statistically, the values yield a 97.7% degree of confidence that any sample of fabric tested will exceed the value reported.

<sup>2</sup>Long Term Design Strength is LTDS or TAL = TULT / (RFCR x RFID x RD).

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