

Materials	Symbol	Test Method		
Polymer			PET/PET	
Coating			PVC	
Tensile Properties	Symbol	Test Method	kN/m	lbf/ft
MD-Ultimate Strength¹	T _{ULT}	ASTM D 6637	21.6	1480
MD-Creep Limited Strength	T _L	ASTM D 5262	13.5	925
CMD-Ultimate Strength¹	T _{ULT}	ASTM D 6637	21.4	1465
Reduction Factors	Symbol	Test Method		
Creep Reduction Factor	RF _{CR}	ASTM D 5262	1.60	1.60
Durability Reduction Factor (3<pH<9)	RF _D	ASTM D 2455	1.10	1.10
Installation Damage Reduction Factor	RF _{ID}	ASTM D 5818		
Soil Type 1 (Sand, Silt, & Clay, D50<6mm)			1.20	1.20
Soil Type 2 (.075" minus angular aggregate, D50<6mm)			1.30	1.30
Soil Type 3 (1.5" minus angular aggregate, D50<20mm)			1.40	1.40
Design Strength Properties	Symbol	Test Method		
Long Term Design Strength²				
T _{ULT} /RF for Soil Type 1	LTDS		10.2	701
T _{ULT} /RF for Soil Type 2	LTDS		9.4	647
T _{ULT} /RF for Soil Type 3	LTDS		8.8	601
Design Interaction Properties	Symbol	Test Method		
Coefficient of Interaction	C _i	ASTM D 6706		
Soil Type 1			0.6-0.7	
Soil Type 2			0.7-0.8	
Soil Type 3			0.9-1.1	
Coefficient of Direct Sliding	C _{dis}	ASTM D 5321		
Soil Type 1			0.7	
Soil Type 2			0.8	
Soil Type 3			0.9	

Physical Properties	Units		Test Method	SI	US
	SI	US			
MD-Aperture Size	mm	in	Measured	2.54	0.10
CMD-Aperture Size	mm	in	Measured	2.54	0.10
Packaging					
Roll Width	mm	ft	Measured	2.9	9.5
Roll Length	mm	ft	Measured	72.2	237
Area Per Roll	m ²	yds ²	Measured	209.2	250.2
Weight Per Roll	kgs	lbs	Measured	52.1	115

¹The 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.
²Long Term Design Strength is LTDS or TAL = TULT / (RFCR x RFID x RD).

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