

Materials	Symbol	Test Method	HP 300	
Polymer			PET/PET	
Coating			PVC	
Tensile Properties	Symbol	Test Method	kN/m	lbf/ft
MD-Ultimate Strength¹	T _{ULT}	ASTM D 6637	67.9	4650
MD-Creep Limited Strength	T _L	ASTM D 5262	43.8	3000
CMD-Ultimate Strength¹	T _{ULT}	ASTM D 6637	30.6	2100
Reduction Factors	Symbol	Test Method		
Creep Reduction Factor	RF _{CR}	ASTM D 5262	1.55	1.55
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)			1.05	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		
Long Term Design Strength²				
T _{ULT} /RF for Soil Type 1	LTDS		37.9	2597
T _{ULT} /RF for Soil Type 2	LTDS		36.2	2479
T _{ULT} /RF for Soil Type 3	LTDS		31.8	2182
Design Interaction Properties	Symbol	Test Method		
Coefficient of Interaction	C _i	ASTM D 6706		
Soil Type 1				0.85
Soil Type 2				0.85
Soil Type 3				0.85
Coefficient of Direct Sliding	C _{dis}	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>			
MD-Aperture Size	<i>mm</i>	<i>in</i>	<i>Measured</i>	21.59	0.85
CMD-Aperture Size	<i>mm</i>	<i>in</i>	<i>Measured</i>	20.32	0.80
Packaging					
Roll Width	<i>mm</i>	<i>ft</i>	<i>Measured</i>	2.5	8.2
Roll Length	<i>mm</i>	<i>ft</i>	<i>Measured</i>	67	220
Area Per Roll	<i>m²</i>	<i>yds²</i>	<i>Measured</i>	167.5	200.3
Weight Per Roll	<i>kgs</i>	<i>lbs</i>	<i>Measured</i>	61	134

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 = T_{ULT} / (R_{FCR} x R_{FID} x R_D).

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