

PROPERTY	TEST METHOD	TEST VALUE	
Physical			
Mass/Unit Area	ASTM D-6566	406g/m ²	
Thickness	ASTM D-6525	10.2mm	
Light Penetration (% Passing)	ASTM D-6567	18%	
Colour	Visual	Green	
Mechanical			
Tensile Strength MD/CD	ASTM D-6818	5.84kN/m	
Elongation MD/CD	ASTM D-6818	31/19%	
Resiliency	ASTM D-6524	80%	
Endurance			
UV Resistance @ 1000hours	ASTM D-4355	82%	
Slope Performance Design Values*			
Manning's N		0.028	
C Factors	ASTM D-6459	0.01	
Slope Length (L)	≤ 3:1	≤ 3:1 - 2:1	>2.1
<15m	0.012	0.025	0.092
15m - 30m	0.036	0.065	0.115
> 30m	0.080	0.108	0.145
Channel Performance Design Values*			
Unvegetated Shear Stress	ASTM D-6460	125 Pa	
Unvegetated Velocity	ASTM D-6460	3.0 m/s	
Vegetated Shear Stress	ASTM D-6460	574 Pa	
Vegetated Velocity	ASTM D-6460	6.1 m/s	

*Large Scale Results obtained by a 3rd Party GAI Accredited Independent Laboratory