



Technical Specifications for

Nedia C400

Nedia C400 is a 100% coconut fiber matrix stitch bonded between two heavyweight photodegradable top and bottom nettings.

Index Value Properties:

Property	Test Method	Typical Value	
		English Units	Metric Units
Material composition	n/a	100% Coconut Fiber	
Mass per unit area	ASTM D 6475	9.5 oz/sq.yd	322.1 oz/sq.m
Thickness	ASTM D 6525	0.30 inches	7.6 mm
Tensile Strength (MD x TD)	ASTM D 6818	310 x 250 lb/ft.	4.5 x 3.6 kN/m
Elongation (MD x TD)	ASTM D 6818	20 % x 20 %	
Light Penetration	ASTM D 6567	16%	
Water Absorption	ASTM D 1117	399%	
Manning's N	Observed	0.025	

Channel Performance Design Values*:

Property	Test Method	Typical Value	
		English Units	Metric Units
Unvegetated Shear Stress	ASTM D 6460	3.30 lb/sq. ft	158 Pa
Unvegetated Velocity	ASTM D 6460	10.0 ft./s	3.0 m/s
Vegetated Shear Stress	n/a	n/a	
Vegetated Velocity	n/a	n/a	

* Large scale results obtained by 3rd party GAI Accredited independent laboratory.

Standard Roll Sizes: 7.5' x 120' (2.3m x 36.6m) – 100 sy/roll
8' x 112.5' (2.44m x 34.3m) – 100 sy /roll



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