



Technical Specifications for  
**Nedia SC400B**

Nedia SC400B is a 70% straw / 30% coconut fiber matrix stitch bonded between two biodegradable nettings.

**Index Value Properties:**

Property	Test Method	Typical Value	
		English Units	Metric Units
Material composition	n/a	70% Agricultural Straw/ 30% Coconut Fiber	
Mass per unit area	ASTM D 6475	10.5 oz/sq.yd	356.0 oz/sq.m
Thickness	ASTM D 6525	0.33 inches	8.4 mm
Tensile Strength (MD x TD)	ASTM D 6818	223 x 134 lb/ft.	3.3 x 2.0 kN/m
Elongation (MD x TD)	ASTM D 6818	13.5 % x 16.3 %	
Light Penetration	ASTM D 6567	12%	
Water Absorption	ASTM D 1117	385%	
Manning's N	Observed	0.029	

**Channel Performance Design Values\*:**

Property	Test Method	Typical Value	
		English Units	Metric Units
Unvegetated Shear Stress	ASTM D 6460	2.02 lb/sq. ft	97 Pa
Unvegetated Velocity	ASTM D 6460	8.0 ft./s	2.4 m/s
Vegetated Shear Stress	n/a	n/a	
Vegetated Velocity	n/a	n/a	

\* Large scale results obtained by 3<sup>rd</sup> 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**



[www.nedia.com](http://www.nedia.com)



[info@nedia.com](mailto:info@nedia.com)