

Technical Specifications for  
**Nedia SC400**

Nedia SC400 is a 70% straw / 30% coconut fiber matrix stitch bonded between heavyweight photodegradable top netting and a light weight photodegradable polypropylene bottom netting.

**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	9.45 oz/sq.yd	320.4 oz/sq.m
Thickness	ASTM D 6525	0.33 inches	8.4 mm
Tensile Strength (MD x TD)	ASTM D 6818	178 x 148 lb/ft.	2.6 x 2.2 kN/m
Elongation (MD x TD)	ASTM D 6818	31.3 % x 22.4 %	
Light Penetration	ASTM D 6567	13%	
Water Absorption	ASTM D 1117	339%	
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: 8' x 112.5' (2.44m x 34.3m) – 100 sy /roll**



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