



Technical Specifications for

**Nedia S400**

Nedia S400 is a 100% straw matrix stitch bonded between two light weight photodegradable nettings.

**Index Value Properties:**

Property	Test Method	Typical Value	
		English Units	Metric Units
Material composition	n/a	100% Straw	
Mass per unit area	ASTM D 6475	9 oz/sq.yd	305.1 oz/sq.m
Thickness	ASTM D 6525	0.32 inches	8.1 mm
Tensile Strength (MD x TD)	ASTM D 6818	169 x 107 lb/ft.	2.5 x 1.6 kN/m
Elongation (MD x TD)	ASTM D 6818	27.6 % x 29.4 %	
Light Penetration	ASTM D 6567	19%	
Water Absorption	ASTM D 1117	418%	
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	2.05 lb/sq. ft	98 Pa
Unvegetated Velocity	ASTM D 6460	9.3 ft./s	2.8 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**



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