



Technical Specifications for
Nedia S400B

Nedia S400B is a 100% straw matrix stitch bonded between two biodegradable 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	10.5 oz/sq.yd	356.0 oz/sq.m
Thickness	ASTM D 6525	0.32 inches	8.1 mm
Tensile Strength (MD x TD)	ASTM D 6818	190 x 130 lb/ft.	2.8 x 1.9 kN/m
Elongation (MD x TD)	ASTM D 6818	16.4 % x 16.8 %	
Light Penetration	ASTM D 6567	10%	
Water Absorption	ASTM D 1117	403%	
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	1.73 lb/sq. ft	83 Pa
Unvegetated Velocity	ASTM D 6460	6.0 ft./s	1.8 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) – 100sy /roll



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