

Technical Specifications for
Nedia S300B

Nedia S300B is a 100% straw matrix stitch bonded with biodegradable top netting.

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 oz/sq.yd	339.0 oz/sq.m
Thickness	ASTM D 6525	0.40 inches	10.2 mm
Tensile Strength (MD x TD)	ASTM D 6818	106 x 118 lb/ft.	1.5 x 1.7 kN/m
Elongation (MD x TD)	ASTM D 6818	16.7% x 26.8%	
Light Penetration	ASTM D 6567	6%	
Water Absorption	ASTM D 1117	322%	
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	1.55 lb/sq. ft	74 Pa
Unvegetated Velocity	ASTM D 6460	6.8 ft./s	2.0 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: 8' x 112.5' (2.44m x 34.3m) – 100 sy /roll



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