



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: 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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