



Technical Specifications for  
**Nedia C400B**

Nedia C400B is a 100% coconut fiber matrix stitch bonded between two biodegradable nettings.

**Index Value Properties:**

| Property                   | Test Method | Typical Value      |                |
|----------------------------|-------------|--------------------|----------------|
|                            |             | English Units      | Metric Units   |
| Material composition       | n/a         | 100% Coconut Fiber |                |
| Mass per unit area         | ASTM D 6475 | 11.0 oz/sq.yd      | 373.0 oz/sq.m  |
| Thickness                  | ASTM D 6525 | 0.31 inches        | 7.9 mm         |
| Tensile Strength (MD x TD) | ASTM D 6818 | 240 x 164 lb/ft.   | 3.5 x 2.4 kN/m |
| Elongation (MD x TD)       | ASTM D 6818 | 10.9 % x 16 %      |                |
| Light Penetration          | ASTM D 6567 | 10%                |                |
| Water Absorption           | ASTM D 1117 | 255%               |                |
| 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 | 2.25 lb/sq. ft | 108 Pa       |
| Unvegetated Velocity     | ASTM D 6460 | 9.0 ft./s      | 2.7 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**



[www.nedia.com](http://www.nedia.com)



[info@nedia.com](mailto:info@nedia.com)

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