

NEDIA ENTERPRISES, INC.

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Technical Specifications for *NEDIA SC400*

DESCRIPTION: NEDIA SC400 is a 70% straw / 30% coconut fiber matrix stitch bonded between a heavyweight photodegradable top netting and a lightweight photodegradable polypropylene bottom netting.

Material composition	70% Straw / 30% coconut
Thickness (ASTM D 1777)	0.35 inches
Top netting	Heavyweight photodegradable polypropylene netting
Bottom netting	Lightweight photodegradable polypropylene netting
Stitching	2" centers
Thread	Polycotton thread
Mass per unit area (ASTM D 3776)	11.2 oz./sq.yd
Slope recommendation	2:1 - 1:1
Maximum permissible Shear Stress	1.85 lbs./sq.ft.
Flow Velocity, Short term (ASTM D 4491)	10 ft./sec.
Tensile Strength - Wet (ASTM D 4595)	228 x 180 lbs./ft.
Elongation - Wet (ASTM D 4595)	19% x 26%
Tensile Strength - Dry (ASTM D 4595)	144 x 114 lbs./ft.
Elongation - Dry (ASTM D 4595)	5% x 11%
Water Absorption	236%
"n" Value Roughness Coefficient	0.018
Functional Longevity	1 to 2 years
Typical Applications	Highway embankments, landfill side slopes, shorelines, channels & streambanks