

NEDIA ENTERPRISES, INC.

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Technical Specifications for *NEDIA S400*

DESCRIPTION: NEDIA S400 is a 100% straw matrix stitch bonded between two lightweight photodegradable polypropylene nettings

Material composition	100% Agricultural Straw
Thickness (ASTM D 1777)	0.35 inches
Top netting	Lightweight 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	3:1 - 2:1
Maximum permissible Shear Stress	1.70 lbs./sq.ft.
Flow Velocity, Short term (ASTM D 4491)	9 ft./sec.
Tensile Strength - Wet (ASTM D 4595)	156 x 82 lbs./ft.
Elongation - Wet (ASTM D 4595)	20% x 17%
Tensile Strength - Dry (ASTM D 4595)	180 x 73 lbs./ft.
Elongation - Dry (ASTM D 4595)	25% x 16%
Water Absorption	272%
"n" Value Roughness Coefficient	0.019
Functional Longevity	Up to 12 months
Typical Applications	Highway embankments, landfill side slopes, shorelines, channels & streambanks