

# NATURE LOG - EXCELSIOR

## Sediment Retention Fiber Roll (SRFR)

ErosionTech Nature Logs are an effective erosion control product used for sediment reduction, perimeter control, slope interruption and ditch check applications. The Nature Log consists of a matrix of 100% Great Lakes Aspen weed-free fiber encapsulated with a net that is HDPE in orientation.

### Physical Characteristics

Name	Diameter (in)	Length (ft)	Density (lb/ft <sup>3</sup> )	Netting Type
E-9X25	9	25	2.4 +/- 10%	Heavy Duty - Poly Propylene Tubular Grid
E-12X10	12	10	2.4 +/- 10%	Heavy Duty - Poly Propylene Tubular Grid
E-12X20	12	20	2.4 +/- 10%	Heavy Duty - Poly Propylene Tubular Grid
E-20X10	20	10	2.4 +/- 10%	Heavy Duty - Poly Propylene Tubular Grid

### Table 1 Netting Properties

Property	Standard	Units	Typical Value	Test Conditions
<b>Dimensional</b>				
<b>Weight</b>	MN-TS-002-95	Gram/Linear Foot	9.2	----
<b>Knot Size</b>	n/a	Inches/mm	.591 (15)	----
<b>Mechanical</b>				
<b>Tensile Strength @ Max. Load</b>	MN-TS-003-06	lbs/strand grams/strand	4.6	Specimen: 4 strands Speed: 100mm/min
<b>Degradability</b>				
<b>Photodegradability</b>	ASTM D 4355 via ASTM D 6818	% Tensile Strength Retained MD	104	Controlled Conditions Speed: 12 in/min Specimen: 4 inches Exposed for 500 Hours
		% Tensile Strength Retained MD	104	
<b>Biodegradability</b>	ASTM D 5209-91 via ASTM D 5338-98	Months	12-60 Months	Equivalent to ISO 14855

### Physical Characteristics

Name	Product Size	Fiber Density	Fiber Dimensions
E-9X25	9" Diameter	1.25lb / lin ft	80% Greater Than 6"
E-12X10	12" Diameter	3.2lb / lin ft	80% Greater Than 6"
E-12X20	12" Diameter	3.2lb / lin ft	80% Greater Than 6"
E-20X10	20" Diameter	5.2lb / lin ft	80% Greater Than 6"