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## Type 1.A

### Type 1.A – Paragraph Form

Product shall be ECTC Type 1.A, which is a photodegradable synthetic mesh or a woven biodegradable natural fiber netting. Product shall have a C Factor  $\leq 0.10$  obtained with netting used in conjunction with pre-applied mulch material from standardized large-scale rainfall performance testing, ASTM D6459 or equivalent deemed acceptable by the engineer. Product unvegetated permissible shear stress rating shall be  $\geq 1.0$  lbs/ft<sup>2</sup> ( $\geq 48$  Pa) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be  $\geq 125$  lbs/ft ( $\geq 1.8$  kN/m) x TD (Transverse Direction) tensile strength of  $\geq 10$  lbs/ft ( $\geq 0.1$  kN/m) according to ASTM D6818. Product shall have a thickness  $\geq 0.03$  in ( $\geq 0.76$  mm) according to ASTM D6525, ground coverage of  $\geq 3\%$  according to ASTM D6567, and mass per unit area of  $\geq 0.2$  oz/yd<sup>2</sup> ( $\geq 7$  g/m<sup>2</sup>) according to ASTM D6475.

### Type 1.A – Tabular Form

ECTC Type <sup>a</sup>	1.A
Product Description	Netting/Open Weave Textile
Material Composition	A photodegradable synthetic mesh or a woven biodegradable natural fiber netting
C Factor <sup>b</sup>	$\leq 0.10$
Shear Stress <sup>c</sup>	$\geq 1.0$ lbs/ft <sup>2</sup> ( $\geq 48$ Pa)
MD Material Tensile Strength (ASTM D6818)	$\geq 125$ lbs/ft ( $\geq 1.8$ kN/m)
TD Material Tensile Strength (ASTM D6818)	$\geq 10$ lbs/ft ( $\geq 0.1$ kN/m)
Material Thickness (ASTM D6525)	$\geq 0.03$ in ( $\geq 0.76$ mm)
Ground Coverage (ASTM D6567)	$\geq 3\%$
Mass Per Unit Area (ASTM D6475)	$\geq 0.2$ oz/yd <sup>2</sup> ( $\geq 7$ g/m <sup>2</sup> )

*a. C Factor and permissible shear stress for Types 1.A. and 2.A. mulch control nettings must be obtained with netting used in conjunction with pre-applied mulch material.*

*b. ASTM D6459 or equivalent deemed acceptable by the engineer.*

*c. ASTM D6460 or equivalent deemed acceptable by the engineer.*