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## Type 3.A

### Type 3.A – Paragraph Form

Product shall be ECTC Type 3.A, which is an open weave textile composed of processed slow degrading natural or polymer yarns or twines woven into a continuous matrix. Product shall have a C Factor  $\leq 0.05$  from standardized large-scale rainfall performance testing, ASTM D6459 or equivalent deemed acceptable by the engineer. Product unvegetated permissible shear stress rating shall be  $\geq 2.0$  lbs/ft<sup>2</sup> ( $\geq 96$  Pa) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be  $\geq 100$  lbs/ft ( $\geq 1.5$  kN/m) x TD (Transverse Direction) tensile strength of  $\geq 40$  lbs/ft ( $\geq 0.6$  kN/m) according to ASTM D6818. Product shall have a thickness  $\geq 0.20$  in –  $\leq 0.40$  in (5.1 mm – 10.1 mm) according to ASTM D6525, ground coverage of  $\geq 40\%$  according to ASTM D6567, and mass per unit area of  $\geq 11.0$  oz/yd<sup>2</sup> ( $\geq 373$  g/m<sup>2</sup>) according to ASTM D6475.

### Type 3.A – Tabular Form

ECTC Type	3.A
Product Description	Open Weave Textile
Material Composition	An open weave textile composed of processed slow degrading natural or polymer yarns or twines woven into a continuous matrix.
C Factor <sup>b</sup>	$\leq 0.05$
Shear Stress <sup>c</sup>	$\geq 2.0$ lbs/ft <sup>2</sup> ( $\geq 96$ Pa)
MD Material Tensile Strength (ASTM D6818)	$\geq 100$ lbs/ft ( $\geq 1.5$ kN/m)
TD Material Tensile Strength (ASTM D6818)	$\geq 40$ lbs/ft ( $\geq 0.6$ kN/m)
Material Thickness (ASTM D6525)	$\geq 0.20$ in – $\leq 0.40$ in (5.1 mm – 10.1 mm)
Ground Coverage (ASTM D6567)	$\geq 40\%$
Mass Per Unit Area (ASTM D6475)	$\geq 11.0$ oz/yd <sup>2</sup> ( $\geq 373$ 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.*