Type 4.A

Type 4.A – Paragraph Form

Product shall be ECTC Type 4.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 ≤ 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 ≥ 2.25 lbs/ft2 (≥ 108 Pa) according to ASTM D6460 or equivalent deemed acceptable by the engineer. MD (Machine Direction) tensile strength shall be ≥ 100 lbs/ft (≥ 1.5 kN/m) x TD (Transverse Direction) tensile strength of ≥ 40 lbs/ft (≥ 0.6 kN/m) according to ASTM D6818. Product shall have a thickness ≥ 0.20 in – ≤ 0.40 in (5.1 mm – 10.1 mm) according to ASTM D6525, ground coverage of ≥ 50% according to ASTM D6567, and mass per unit area of ≥ 20.0 oz/yd2 (≥ 678 g/m2) according to ASTM D6475.

Type 4.A – Tabular Form

|  |  |
| --- | --- |
| ECTC Type | 4.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 Factorb | ≤ 0.05 |
| Shear Stressc | ≥ 2.25 lbs/ft2 (≥ 108 Pa) |
| MD Material Tensile Strength(ASTM D6818) | ≥ 100 lbs/ft (≥ 1.5 kN/m) |
| TD Material Tensile Strength(ASTM D6818) | ≥ 40 lbs/ft (≥ 0.6 kN/m) |
| Material Thickness (ASTM D6525) | ≥ 0.20 in – ≤ 0.40 in (5.1 mm – 10.1 mm) |
| Ground Coverage (ASTM D6567) | ≥ 50% |
| Mass Per Unit Area (ASTM D6475) | ≥ 20.0 oz/yd2 (≥ 678 g/m2) |

*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.*