Washington State Department of Transportation

Biodegradable Erosion Control Blanket Test Result Submission

Contact Information	
Name	Telephone
Email	
Product	
Product ID	Date Sampled/Received

Biodegradable Erosion Control Blanket Technical Data Sheet for Washington State DOT Projects	
Laboratory Name	
Laboratory Batch Number	Laboratory Number
Analyst	Date of Test

Table 6
Biodegradable Erosion Control Blanket for Slopes Steeper than 3:1 (H:V)

Properties	ASTM Test Method	Requirements for Slopes Steeper than 3:1	Product Test Results* To be Filled in by Industry
Protecting Slopes from Rainfall-Induced Erosion	ASTM D6459 Soil tested shall be sandy loam defined by the NRCS** Soil Texture Triangle	C factor = 0.04 maximum for cumulative R-Factor<231	
Mass Per Unit Area	ASTM D6475	7.6 oz./sq. yd. minimum	
Light Penetration	ASTM D6567	44% maximum	
Tensile Strength MD x XD***	ASTM D6818	10.0 x 6.0 pounds/inch minimum	
Tensile Elongation MD x XD***	ASTM D6818	38% x 33% maximum	

Table 7
Biodegradable Erosion Control Blanket for Slopes Flatter than 3:1 (H:V)

Properties	ASTM Test Method	Requirements for Slopes Steeper than 3:1	Product Test Results* To be Filled in by Industry
Protecting Slopes from Rainfall-Induced Erosion	ASTM D6459 Soil tested shall be sandy loam defined by the NRCS** Soil Texture Triangle	C factor = 0.15 maximum for cumulative R-Factor<231	
Mass Per Unit Area	ASTM D6475	7.6 oz./sq. yd. minimum value	
Light Penetration	ASTM D6567	40% maximum	
Tensile Strength MD x XD***	ASTM D6818	6.5 x 2.3 pounds/inch minimum	
Tensile Elongation MD x XD***	ASTM D6818	38% x 33% maximum	

Table 8 Biodegradable Erosion Control Blanket for Ditches			
Properties	**ASTM Test Method**	**Requirements for Slopes Steeper than 3:1**	**Product Test Results* To be Filled in by Industry**
Performance in Protecting Earthen Channels from Stormwater-Induced Erosion	ASTM D6460 Soil tested shall be sandy loam defined by the NRCS** Soil Texture Triangle	Limiting Shear (Tlimit) = 2.0 psf minimum Limiting Velocity (Vlimit) = 7.5 ft/sec flow minimum.	
Mass Per Unit Area	ASTM D6475	7.4 oz./sq. yd. minimum	
Light Penetration	ASTM D6567	65% maximum	
Tensile Strength MD x XD***	ASTM D6818	9.6 x 3.2 pounds/inch minimum	
Tensile Elongation MD x XD***	ASTM D6818	38% x 33% maximum	

* All testing must be conducted using the required ASTM Test Method indicated in the table, unless otherwise noted. All results must be presented in the same units and concentrations indicated in the Requirements column of this Table. Failure to provide results using the required Test Method and Requirements format will not be reviewed or considered. Test results must have been performed within the past two years from the date of this submission and be representative of the current product ingredients.

** Natural Resource Conservation Services

*** MD is Machine Design and XD is Cross Direction