

DMS - 6230**TEMPORARY SEDIMENT CONTROL FENCE FABRIC****EFFECTIVE DATE: MAY 2010**

6230.1. Description. This Specification governs the sampling, testing, and material requirements for temporary sediment control fence fabric.

6230.2. Units of Measurements. The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

6230.3. Definitions.

- A. Temporary Sediment Control Fence Fabric**—a woven geotextile fabric whose primary use is for control of sediment in surface runoff water.

6230.4. Material Producer List. The Materials and Pavements Section of the Construction Division (CST/M&P) maintains a material producer list (MPL) of products conforming to this Specification. Materials listed on the MPL, entitled “[Silt Fence, Filter Fabric, and Fabric Underseal](#),” require no further testing unless deemed necessary by the Project Engineer or CST/M&P. Refer to DMS-6320 for further details on qualifying for the Quality Monitoring Program and obtaining a place on the MPL.

6230.5. Sampling and Testing. Sample in accordance with Tex-735-I. Perform testing in accordance with the test methods listed in Table 1.

6230.6. Material Requirements.

- A. Physical Requirements.** The fabric must conform to the requirements listed in Table 1 when tested in accordance with the methods specified.

Table 1

| Geotextile Sediment Control Fence Fabric Requirements | | |
|--|-------------|-------------------|
| Physical Property | Test Method | Requirement |
| Tensile Strength, N (lb.) | ASTM D 4632 | 445 (100) Minimum |
| Elongation @ Yield, % | ASTM D 4632 | 10–40 |
| Trapezoidal Tear, N (lb.) | ASTM D 4533 | 222 (50) Minimum |
| Apparent Opening Size | ASTM D 4751 | 20–50 |
| Permittivity, 1/sec. | ASTM D 4491 | 0.1 Minimum |
| Ultraviolet Stability original tensile strength retained after 500 hr. exposure, % | ASTM D 4355 | 80 Minimum |

6230.7. Packaging Requirements. Package the fabric in rolls of the length and width specified on the plans, specified in the purchase order awarded by the state, or as approved.

Alternately, wrap the fabric around pre-attached posts.

Prior to installation, protect the fabric from damage due to ultraviolet light and moisture by using wrappers or inside storage.

6230.8. Identification. Identify each roll with a tag or label securely affixed to the outside of the roll on one end. List the following information on the label:

- A unique roll number, serially designated;
- Lot number or control number;
- Name of producer;
- Style or catalog designation of the fabric;
- Roll width in meters (in.); and
- Roll length in meters (yd.)

6230.9. Archived Versions. Archived versions are available.