

CCC-C-422**10 MAY 1953****SUPERSEDING****Int. Fed. Spec. CCC-C-0042 (GSA-FSS)****17 October 1952****FEDERAL SPECIFICATION****CLOTH; COTTON, MUSLIN (MERCERIZED)**

This specification was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies

1. SCOPE AND CLASSIFICATION

1.1 Scope.—Muslin covered by this specification is a closely singed, desized, and fully mercerized cloth having a crisp, lustrous finish. It is primarily intended for use as dress goods and suiting material.

1.2 Classification.

1.2.1 Type.—There shall be one type as hereinafter described.

1.2.2 Color.—The color shall be as specified (see 3.1.5).

1.2.3 Grade.—The grade shall be that known commercially as firsts.

2. APPLICABLE SPECIFICATIONS

2.1 The following Federal specification of the issue in effect on date of invitation for bids forms a part of this specification.

CCC-T-191—Textile Test Methods.

(Copies of Federal specifications and the Federal Specifications Index may be obtained upon application, accompanied by check, money order, cash, or Government Printing Office coupons, to the General Services Administration, Business Service Center, Region 3, Seventh and D Streets, S. W., Washington 25, D. C. This office will also honor deposit account numbers issued by the Government Printing Office. Single copies of product specifications required for bidding purposes are available without charge at the GSA Regional Offices in Boston, New York, Atlanta,

Chicago, Kansas City, Mo., Dallas, Denver, San Francisco, Los Angeles, Seattle, and Washington, D. C. Prices of additional copies may be obtained from the GSA Regional Offices.)

2.2 Specifications, drawings, and other publications applicable only to individual departments are listed in section 7.

3. REQUIREMENTS

3.1 Muslin.—The cloth shall be of cotton, thoroughly cleaned and free from waste.

3.1.1 Weave.—The weave shall be plain.

3.1.2 Yarns per inch.—There shall be not less than 53 yarns per inch in the warp and not less than 46 yarns per inch in the filling (see 4.3).

3.1.3 Breaking strength (grab method).—The breaking strength shall be not less than 60 pounds in either the warp or filling (see 4.3).

3.1.4 Weight.—The weight per square yard shall be not less than 5.0 ounces, (3.2 yds. per lb.). (See 4.3.)

3.1.5 Color.—The color shall be as specified and shall show good color fastness to laundering, light, perspiration, and crocking when tested in accordance with the applicable

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method of 4.3. The use of sulphur dyes is prohibited.

3.1.6 Shrinkage.—The shrinkage shall not exceed 1 percent in either the warp or filling (see 4.3).

3.1.7 Nonfibrous materials.—The total sizing, finishing, and other nonfibrous materials shall not exceed 2 percent. (See 4.3.)

3.1.8 Finish.—The cloth shall be fully mercerized, have a crisp, lustrous finish and shall show no appreciable change in appearance or hand after three launderings. (See 4.3—method 5550.)

3.1.9 Width.—The finished width shall be 35¹/₂ inches \pm ¹/₂ inch.

3.1.10 Length.—The cloth shall be furnished in either 30/35 yards to the bolt doubled and rolled, or 100/120 yards to the bolt in the flatfold, put up as specified.

3.2 Identification.—Each bolt shall have a stringed tag attached to the selvage legibly marked with the contractor's name, the contract number, and the yardage.

3.3 Workmanship.—The finished muslin shall be clean and free from defects which affect the appearance or which may impair the serviceability.

4. SAMPLING, INSPECTION, AND TEST PROCEDURES

4.1 Sampling.—At least two pieces of each color not less than 1 yard long and the full width of the fabric, shall be taken at random from each 1000 yards or fraction thereof as offered for delivery, except when the shipment is over 10,000 yards one piece of each color not less than 1 yard long by the width shall be taken at random from each one-tenth of the shipment.

4.2 Inspection.—Inspection shall be made at the point of delivery or at the factory, at the discretion of the purchaser.

4.3 Tests.—The tests shall be conducted in accordance with the following methods described in Federal Specification CCC-T-191:

Test	Method No
Standard conditions	Section 4
Yarns per inch	5050
Breaking strength (grab method)	5100
Weight per square yard	5041
Colorfastness to	
Laundering	5610
Light	5660
Perspiration	5682
Crocking	5650
Shrinkage in laundering	5550
Nonfibrous materials	2611
Width of cloth	5020
Length of cloth	5010

5. PREPARATION FOR DELIVERY

5.1 Packaging.—Commercial packages will be acceptable unless otherwise specified.

5.2 Packing.—The subject commodity shall be prepared for shipment to permit acceptance by carrier for transportation at the lowest applicable rate, and to afford maximum protection from normal hazards of transportation.

5.3 Marking.—Unless otherwise specified, shipping containers shall be marked with the name of the material, the color and the quantity contained therein, the name of the contractor, and the contract or order number.

6. NOTES

6.1 Ordering data.—Purchasers should specify the color of the muslin and the put-up desired and should exercise any desired options offered herein. (See 1.2.2, 3.1.5, 3.1.10, 4.2, 5.1, 5.3, and 6.2.)

6.2 It is believed that this specification adequately describes the characteristics necessary to secure the desired material, and that normally no samples will be necessary prior to award to determine conformance to the requirements of this specification. If, for

any particular purpose, samples with bids are necessary, they should be specifically asked for in the invitation for bids, and the particular purpose to be served by the bid sample should be definitely stated, the specification to apply in all other respects.

6.3 Federal specifications do not include all types, classes, grades, sizes, etc., of the commodities indicated by the titles of the specifications, or which are commercially available, but are intended to cover the types, etc., which are suitable for Federal Government requirements.

6.4 **Transportation description.**—Transportation description applicable to these items is:

Cotton piece goods, finished, N.O.I.B.N., viz.,

Fabrics, Cotton or Cotton Piece Goods, in the original piece, in boxes, or in bales or rolls completely wrapped, or in rolls completely wrapped in crates.

Carload weight, any quantity.

Truckload weight, any quantity.

Patent notice.—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby means no responsibility nor any obligation whatsoever, and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specification, or other data, is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

7. DEPARTMENTAL REQUIREMENTS

7.1 The following specifications, standards, and other publications, of the issues in effect on date of invitation for bids, and special requirements, form a part of this specification for purchases made under this specification by the respective departments:

7.2 Army, Navy, and Air Force.

7.2.1 *Applicable specifications and standards.*

Military specifications

MIL-P-6065—Packaging, Packing, and Marking of Cloth, Fabric, and Webbing.

U. S. Army Specification:

100-63—Packaging and Packing of Cotton Fabrics (Except Cotton Duck).

U. S. Air Force Specification Bulletin No. 94:

Textile Defects, Classification of.

Military Standards:

MIL-STD-105—Sampling Procedures and Tables for Inspection by Attributes.

MIL-STD-129—Marking of Shipments.

(Copies of specifications, standards, and drawings required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer.)

7.2.2 *Workmanship (Air Force only).*—

The product shall be manufactured in accordance with high-grade commercial practice to produce material of uniform quality substantially free from defects of any character. When the material of this specification is included in a category of material described in Air Force Specification Bulletin No. 94, Textile Defects, Classification of, the marking of defects, the designation of acceptable and nonacceptable defects, and the amount of additional material, if any, which shall be furnished without cost for each defect shall be in accordance with Bulletin No. 94.

7.2.3 *Sampling (Army).*—Sampling shall be conducted in accordance with Military Standard MIL-STD-129.

7.2.4 *Inspection (Army).*—Inspection shall be made by the Government to determine compliance with this specification.

CCC-C-422**7.2.5 Packaging, packing, and marking**

7.2.5.1 Army.—The cloth shall be packaged, packed, and marked in accordance with U. S. Army Specification 100-63

7.2.5.2 Air Force.—Each bolt of cloth shall be packaged, packed, and marked in accordance with Military Specification MIL-P-6065.

7.2.5.2.1 Marking of shipments.—Interior packages and exterior shipping containers shall be marked in accordance with Military Standard MIL-STD-129. The nomenclature shall be as follows:

Cloth, Cotton, Muslin, Plain Weave
Color, '-----', 36" wide, Fed. Spec
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7.2.6 Notes.

7.2.6.1 Inspection tests (Air Force only).—All the tests specified in 4.3 are

* Applicable data to be entered by the contractor

classified as inspection tests. The contractor shall furnish all samples and shall be responsible for accomplishing the required tests. When inspection is conducted at the contractor's plant all inspection and testing shall be under the supervision of the Government inspector. Inspection may be made throughout the entire process of manufacture. The passing as satisfactory of any detail of construction or material shall not relieve the contractor of responsibility for faulty workmanship or material which may be discovered at any time prior to final acceptance, and shall in no case be construed as a guaranty of the acceptance of the finished product. Contractors not having laboratory testing facilities satisfactory to the Government shall engage the services of a commercial testing laboratory acceptable to the procuring agency. The contractor shall furnish test reports, in duplicate, showing quantitative results for all tests required by this specification, and signed by an authorized representative of the contractor or laboratory, as applicable.

This specification is a part of Section IV, Part 5, of the Federal Standard Stock Catalog.

Copies of this specification can be purchased for 5 cents each from the General Services Administration, Business Service Center, Region 3, Seventh and D Streets, S. W., Washington 25, D. C. Single copies required for bidding purposes are available without charge at the nearest GSA Regional Office