

A-A-50001B
November 8, 1985
SUPERSEDING
A-A-50001A
March 31, 1983

COMMERCIAL ITEM DESCRIPTION

CLOTH, CLEANING, ARTIFICIAL CHAMOIS

The General Services Administration has authorized the use of this commercial item description in preference to grade B of Federal Specification KK-C-300C.

Intended use. The cloth is intended for washing, drying, and polishing.

Salient characteristics.

The cloth shall consist of either a polyester/cotton woven substrate coated on both sides with a coagulated polyurethane polymer, or a synthetic fiber woven substrate agglomerated on both sides with nitrile rubber. The color of the cloth shall be yellow. The cloth shall weigh a minimum of 6.5 ounces per square yard and have a minimum thickness of 0.03 inches measured under 0.6 pounds pressure per square inch. The minimum breaking strength in the machine direction shall be 100 pounds when dry and 100 pounds when wet and in the width or cross machine direction shall be a minimum of 80 pounds when dry and 80 pounds when wet. Method 5100 of FED-STD-191 shall be used to determine the breaking strength except that five strips, each 10 inches long and 1 inch wide shall be cut in both the machine (length) and crosswise directions. The wetting time (time required for a 2 inch by 2 inch specimen with a standard number 1 paper clip attached to one corner to sink of its own accord after being submerged in water at $23^{\circ} \pm 1^{\circ}\text{C}$) shall be not more than 12 seconds. A 5 inch by 7 inch piece of cloth shall gain not less than 190 percent of its conditioned (minimum of 4 hours at 70°F and 65 percent R.H.) weight (W_1) by water absorption after being completely immersed in water at $23^{\circ} \pm 1^{\circ}\text{C}$ for 8 minutes. The wetted cloth specimen shall be removed from the water, held for 15 seconds by one corner to allow excess water to drain from it and then weighed (W_2) at once. The specimen shall then be passed once through a wringer 1/ having a 30 pound pressure applied to the rolls, and then weighed. The amount of water expelled by passing the wet specimen through the rolls of the wringer shall be not less than 95 percent. The amount of water absorbed after immersion and the amount of water expelled by wringing shall then be calculated according to the following:

FSC 7920

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

A-A-50001B

$$\% \text{ water absorbed} = \frac{W_2 - W_1}{W_1} \times 100$$

$$\% \text{ water expelled by wringing} = \frac{W_2 - W_3}{W_1} \times 100$$

Where W_1 = weight of conditioned specimen in grams
 W_2 = weight of wet specimen in grams
 W_3 = weight of specimen in grams after wringing

NOTE: The specimen weights shall be reported to the nearest 0.01 gram.

1/ A wringer similar to that produced by Atlas Electric Devices Company, 4114 N. Ravenswood Avenue, Chicago, IL 60013, which can be adjusted to a 30-lb roll pressure, may be used for this test.

The cloth shall be furnished in the following sizes:

11 x 15 inches
 16 x 22 inches
 22 x 24 inches

Certification

The contractor shall certify that the product offered meets the salient characteristics and requirements of this CID. The Government reserves the right to require proof of such conformance prior to first delivery and any time thereafter, up to and including delivery at final destination, as may be necessary to determine conformance with the provisions of the contract.

Packaging.

Preservation, packing, and marking shall be in accordance with ASTM D-3951.

MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITY:

Custodians

GSA - FSS

Army - GL
 Air Force - 99

PREPARING ACTIVITY:

Review activities

Army - GL

Army - MD
 Air Force - 84

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