

**RESISTANCE OF TEXTILES TO BLEEDING,
PERSPIRATION AND WATER SPOTTING****Application**

This procedure is used to determine the bleeding, perspiration and water spotting properties of textiles and sewing threads.

Apparatus Required**Laboratory Balance**

Accurate to 0.1 mg.

Dishes

Two 100 mm Petri dishes without covers.

Glass Plates

Sufficient glass plates, 50 mm square, to make a total weight of approximately 100 g on the test specimens.

Beakers

(1) 100 mL beaker

(1) 1500 mL beaker

Oven

An air circulating drying oven capable of maintaining a temperature of 38 +/- 2 °C.

AATCC Chromatic Scale (Latest Edition)

Source: Secretary of the
American Association of Textile Chemists and Colorists
P.O. Box 12215
Research Triangle Park, N.C. 27709

Materials Required**Test Fabric****AATCC Multifiber Test Fabric No. 10**

Two sections, 50 mm square each, of AATCC multifiber test fabric No. 10. The test fabric is composed of narrow filling stripes (8 mm) of spun acetate, bleached cotton, spun nylon 6/6, spun dacron polyester type 54, spun orlon type 75, and worsted wool woven in 50 mm repeats. The warp yarn consists of dacron polyester type 55.

Date	Action	Revisions
2005 02 03	Revised	Revised Water Spotting Section M. Dumitrescu
2001 01 30	Revised	Editorial – no technical change A. Cockman
1992 02 03		



**AATCC Crockmeter Test Cloth (Style 3)**

Two sections of 50 mm square each, crockmeter test cloth, 80 x 84 thread count combed cotton, desized, bleached, (no optical brightener or finishing material present).

Source: Test fabrics, Inc.
P.O. Box 420
200 Blackford Avenue
Middlesex, New Jersey USA 08846

Distilled Water

10 ppm max dissolved solids (ASTM D 1888).

Sodium Chloride

NaCl C.P.

Sodium Bicarbonate

NaHCO₃ C.P.

Solutions Required**Perspiration Test Medium - 0.3% NaCl - (C.P.)**

Weigh 3.0 g of NaCl, dissolve in distilled water and dilute to 1000 mL. Adjust the pH of this solution to 7.8 with NaHCO₃ solution (0.3 - 0.5 g NaHCO₃ per 1000 mL of distilled water).

Conditioning and Test Conditions

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 °C and 50 +/- 5% relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

Procedure**Bleeding and Perspiration**

1. In two separate petri dishes, place 50 mm square sections of the following materials in the order listed so that each succeeding fabric covers the other:
 - a. Multifiber fabric
 - b. Test specimen face down on multifiber fabric. (See note)
 - c. Crockmeter test cloth.

Note: Thread is tested by coiling an 1800 mm length of the test material around the fingers to form a loop 40 mm in diameter. Place the loop of thread between the multifiber fabric and crockmeter test cloth and follow Steps 2 - 6 of the procedure.