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SURFACE VEHICLE RECOMMENDED PRACTICE

An American National Standard

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(R) TEST METHOD FOR MEASURING WET COLOR TRANSFER CHARACTERISTICS

***Foreword*—**This Document has not changed other than to put it into the new SAE Technical Standards Board Format.

1. ***Scope*—**This procedure describes a method of measuring the resistance to wet color transfer of dyed, printed, or otherwise colored textile yarns and composites thereof.

1.1 **Purpose—**The purpose of this testing method is to establish a means of ranking the relative resistance to wet staining of composites which contain dyed or colored textile fibers.

2. ***References*—**There are no referenced publications specified herein.

3. ***Apparatus and Materials***

3.1 AATCC Perspiration Tester, Perspirometer, or equivalent device.[1]

3.2 **Plates—**Glass or plastic, at least 6 mm (0.2 in) larger than the dimensions of the test specimen on all sides.

3.3 **Drying Oven**

3.4 Multi-fiber Standard Test Fabric, non-fused edges (AATCC) Type I, 6 fiber, pH between 6.5 and 7.5.[2]

3.5 **AATCC Chromatic Transference Scale[1]**

3.6 **Wringer**

4. ***Test Specimen*—**From the multi-fiber test fabric, cut a sample whose width includes all of the 6 fibers, and whose length is equal to or greater than the width. Cut a specimen, which has the same dimensions as the test fabric, from the material to be treated, and place the surface to be tested against the multi-fiber test fabric.

1. Atlas Electric Devices Co., 4114 No. Ravenwood Ave., Chicago, IL 60613.
2. Testfabrics, Inc., P.O. Box 53, Middlesex, NJ 08846.

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5. Procedure

5.1 Immerse the test specimen in either freshly boiled distilled water or deionized water from an ion-exchange device at room temperature with occasional agitation to insure thorough wetting out (approximately 15 min generally required).

5.2 Remove the specimen and pass through the wringer to remove excess liquid when the wet mass is more than three times the dry mass. Whenever possible, the wet mass of the specimen will be 2.5 - 3 times its dry mass.

5.3 Place the specimen between glass or plastic plates and insert in the specimen unit of the perspiration tester. Adjust the perspiration tester to produce a pressure of 14 kPa on the specimen.

5.4 Place the loaded specimen unit in an oven at 38 ± 1 °C so that the plates are in a vertical position and heat for 18 h. Remove the specimen from the unit and complete drying by hanging in air at room temperature. Do not press dry.

6. Report—Classify the staining:

CLASS 5 - neglible or no staining
CLASS 4 - staining equivalent to Row 4 on the AATCC scale
CLASS 3 - staining equivalent to Row 3 on the AATCC scale
CLASS 2 - staining equivalent to Row 2 on the AATCC scale
CLASS 1 - staining equivalent to Row 1 on the AATCC scale

7. Notes

7.1 Marginal Indicia—The change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document titles indicates a complete revision of the report.

PREPARED BY THE SAE NONMETALLIC MATERIALS COMMITTEE