SURFACE VEHICLE RECOMMENDED PRACTICE

J1326™ APR2026

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Superseding J1326 JUN2019

Test Method for Measuring Wet Color Transfer Characteristics

RATIONALE

Add tolerances (5.3 and 5.4). Move timing to footnote (5.1). Correct spelling (Section 6).

SAE J1326 has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This procedure describes a method of measuring the resistance to wet color transfer of materials such as textiles, leather, and composites.

1.1 Purpose

The purpose of this testing method is to establish a means of ranking the relative resistance to wet color transfer of materials.

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 clear plastic, at least 6 mm (0.2 inch) 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, six fiber unless otherwise specified. The pH of the multi-fiber test fabric shall be between 6.5 and 7.5.[2]

3.5 AATCC Chromatic Transference Scale[3]

3.6 Wringer

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[1] Available from SDL Atlas, 1813A Associates Lane, Charlotte, NC 28217-2956, Tel: 704-329-0911, www.sdlatlas.com or equivalent.

[2] Available from Testfabrics Inc., 415 Delaware Avenue, P.O. Box 26, West Pittston, PA 18643, Tel: 570-603-0432, www.testfabrics.com or equivalent.

[3] Available from AATCC, One Davis Drive, Research Triangle Park, NC 27709, Tel: 919-549-8141, www.aatcc.org or equivalent.

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4. TEST SPECIMEN

From the multi-fiber test fabric, cut a sample whose width includes all of the six 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 tested, and place the surface to be tested against the multi-fiber test fabric. This combination will be referenced to as the specimen assembly.

5. PROCEDURE

5.1 Immerse the test specimen assembly 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.[4]

5.2 Remove the specimen assembly 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 to 3 times its dry mass.

5.3 Place the specimen assembly between glass or clear plastic plates and insert in the specimen unit of the perspiration tester. Adjust the perspiration tester to produce a pressure of 14 kPa ± 0.1 kPa on the specimen.

5.4 Place the loaded specimen assembly unit in an oven at 38 °C ± 1 °C so that the plates are in a vertical position and heat for 18 hours -0/+5 minutes. Remove the specimen from the unit and complete drying by hanging in air at room temperature.

6. REPORT

Classify the staining (color transfer) of the multi-fiber test fabric:

CLASS 5 - Negligible 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 Revision Indicator

A change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions, not editorial changes, have been made to the previous issue of this document. An (R) symbol to the left of the document title indicates a complete revision of the document, including technical revisions. Change bars and (R) are not used in original publications, nor in documents that contain editorial changes only.

PREPARED BY THE SAE TEXTILE AND FLEXIBLE PLASTICS COMMITTEE

[4] Approximately 15 minutes generally required.

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