



Designation: **D6116 – 00 (Reapproved 2016) D6116 – 18**

Standard Test Method for Blocking¹

This standard is issued under the fixed designation D6116; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope

1.1 This test method covers the determination of the resistance of leather to blocking under specific conditions of temperature, humidity, and pressure. This test method does not apply to wet blue.

1.2 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and ~~health~~ environmental practices and determine the applicability of regulatory limitations prior to use.*

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *AATCC Standard.*²

AATCC TM15 Colorfastness to Perspiration

3. Apparatus

3.1 *Forced Circulating Hot Air Oven*, capable of maintaining $80 \pm 3^\circ\text{C}$.

3.2 *American Medical Museum Jar (with Lid)*, having inner dimensions of 16 cm high, 10 cm long, and 8 cm wide. There shall be three indentations at the top of each 8 cm side. Other glass containers similar in size may be used, provided they give the same result.

3.3 *Petri Dish*, 100 by 15 mm, with cover.

3.4 *Weight*, 2000 g.

3.5 *Perspirometer*, consisting of a number of glass plates which can be kept in suitable compression loading frame. Any other apparatus may be used, provided it gives the same results; for example, the AATCC perspirometer tester as described in AATCC TM15, which is commercially available.

4. Test Specimen

4.1 Test one rectangular four specimens per sample with dimensions of 2.5 by 10 cm specimen per sample cm. Two samples shall be parallel to the backbone, and two samples perpendicular to the backbone. If material is limited, one specimen per direction is suitable.

5. Procedure

5.1 The specimen shall be perforated 2 mm from one end and hung on a standard size paper clip that has been opened to its full length. No more than five specimens shall be hung on one clip. The clip holding the specimen shall be set into the indentations

¹ This test method is under the jurisdiction of ASTM Committee D31 on Leather and is the direct responsibility of Subcommittee D31.05 on Upholstery. Current edition approved Sept. 1, 2016 Nov. 1, 2018. Published October 2016 December 2018. Originally approved in 1997. Last previous edition approved in 2010 as D6116 – 00 (2010) (2016). DOI: 10.1520/D6116-00R16.10.1520/D6116-18.

² Available from American Association of Textile Chemists and Colorists (AATCC), P.O. Box 12215, Research Triangle Park, NC 27709-2215, <http://www.aatcc.org>.