

Standard Methods of TESTING WOVEN ASBESTOS CLOTH¹



ASTM Designation: D 577 - 52

ADOPTED, 1942; REVISED, 1952.²

This Standard of the American Society for Testing Materials is issued under the fixed designation D 577; the final number indicates the year of original adoption as standard or, in the case of revision, the year of last revision.

Scope

1. These methods of testing apply to untreated chrysotile asbestos cloth over 12 in. in width of the following grades:

Grade	Asbestos Content per cent
Commercial Grade.....	75 to 80, excl
Underwriter's Grade.....	80 to 85, excl
Grade A.....	85 to 90, excl
Grade AA.....	90 to 95, excl
Grade AAA.....	95 to 99, excl
Grade AAAA.....	99 to 100, incl

Sampling

2. (a) At least one sample shall be taken at random from each 10 rolls or fraction thereof so as to be representative of the lot.

(b) From each roll selected in accordance with Paragraph (a), test specimens shall be taken the full width of the cloth and shall be approximately 1 sq. yd. in area.

Test Condition

3. All test specimens shall be conditioned to moisture equilibrium in a

¹ Under the standardization procedure of the Society, these methods are under the jurisdiction of the A. S. T. M. Committee D-13 on Textile Materials.

² Prior to adoption as standard, these methods were published as a tentative from 1940 to 1942.

standard atmosphere having a relative humidity of 50 per cent at 70 F. (21 C.). A tolerance of plus or minus 2 per cent is permitted in relative humidity and plus or minus 2 F. (1.1 C.) in temperature.

NOTE.—For purpose of tests, it is recognized that specimens reach moisture equilibrium after exposure for at least 4 hr. at the above specified relative humidity and temperature.

Width

4. The width of the cloth shall be determined in accordance with Section 4 of the Standard General Methods of Testing Woven Fabrics (A. S. T. M. Designation: D 39) of the American Society for Testing Materials.³

Thickness

5. (a) The measurement of thickness shall be made with a dead-weight gage in accordance with Section 5 of Standard Methods D 39.

(b) Ten thickness measurements shall be made on each test specimen and the average of all measurements shall be reported as the average thickness of the

³ Appears in this publication, see Contents in Numeric Sequence of ASTM Designations at front of book.