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STANDARDS & GUIDANCE BRIEF · UNITED STATES · INDUSTRY TEST METHODS

ASTM D Series

ASTM D13 standards for textiles: tensile, tear, bursting strength, and abrasion

DOCUMENT	QES-WP-151, Rev B	DATE	November 7, 2026
ISSUED BY	ASTM International (Committee D13 on Textiles)	PREPARED BY	Conner Davidson
EDITION	Methods revised individually; cite the designation and year	STATUS CHECKED	October 24, 2026
INDUSTRIES	Textiles & Materials	ONLINE	qesisbest.com/standard-astm-d-textiles.html

CURRENT EDITION Each method carries a year suffix; quote it on the specification and the report.

What It Covers

Physical property tests for fabrics and textile products, most often named in buyer and government specifications.

Who It Applies To

Mills, product makers, and laboratories testing strength and durability.

Key Requirements

- Breaking strength: grab test (D5034) and strip test (D5035).
- Tear strength: Elmendorf falling pendulum (D1424) and others.
- Bursting strength: hydraulic diaphragm (D3786).
- Abrasion resistance: Martindale (D4966) and Taber (D3884).

What an Auditor Asks to See

- Reports citing the method, year, and conditioning used.

Where Systems Fall Short

- Specimens not conditioned to the standard atmosphere before testing.

How QES helps. Test plans and laboratory reviews that make results repeatable across suppliers. See the gap assessment: qesisbest.com/services.html#gap-assessment · +1 (401) 246-3204 · mweeden@qesisbest.com

Sources, checked October 24, 2026. ASTM International — Committee D13 on Textiles — www.astm.org.

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