# **Astm D1424 Tear Testing**

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# **Astm D1424 Tear Testing**

DOI: 10.1520/D1424-09R19. Citation Format. ASTM D1424-09(2019), Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus, ASTM International, West Conshohocken, PA, 2019, www.astm.org. Back to Top

## ASTM D1424 - 09(2019) Standard Test Method for Tearing ...

ASTM D1424 - Elmendorf Tear This test determines the force required to produce a single-rip tear in most woven fabrics with a falling pendulum apparatus. (ASTM D1424 is also known as an Elmendorf test.)

## **ASTM D1424 - Elmendorf Tear | ArcWear**

DOI: 10.1520/D1424-96R04. Citation Format. ASTM D1424-96(2004), Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum Type (Elmendorf) Apparatus, ASTM International, West Conshohocken, PA, 2004, www.astm.org. Back to Top

# ASTM D1424 - 96(2004) Standard Test Method for Tearing ...

Published on Jun 5, 2014 This test method for the determination of tearing strength by the falling pendulum type apparatus is used in the trade for the acceptance testing of commercial shipments of...

## **ASTM D1424 Tearing Strength**

Find the most up-to-date version of ASTM D1424 at Engineering360.

#### ASTM D1424 - Standard Test Method for Tearing Strength of ...

An automatic, digital tear tester equipped with an optical encoder for measuring the angular position of the pendulum during tearing and converting this measurement to tear strength units. A large, full-color touchscreen display with intuitive, easy-to-use software provides a revolutionary new approach to testing and data review. ASTM D 1424: 83-76

## ASTM D1424 Calibration Service-Elemendorf tear tester ...

ASTM-D1424 > Historical Revision Information Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum Type (Elmendorf) Apparatus ASTM-D1424 - 2007A EDITION - SUPERSEDED Show Complete Document History

#### ASTM-D1424 | Standard Test Method for Tearing Strength of ...

Tear resistance of rubber is the force required to tear a 1 inch thick specimen under the conditions outlined in ASTM D-624. Tear resistance of textiles is the force required to propagate a single-rip tongue-type tear (starting from a cut) by means of a falling pendulum apparatus. (ASTM D-1424)

#### What is Tear Resistance - Instron: Materials Testing ...

Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum Type (Elmendorf)
Apparatus1 This standard is issued under the fixed designation D 1424; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year

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of last revision.

## Standard Test Method for Tearing Strength of Fabrics by ...

ASTM 1424 describes a tear strength test using the Elmendorf tear tester. There is the following equation for the relationship between the tearing force and the energy loss: Energy loss = tearing force \* distance .

# Tearing Strength - an overview | ScienceDirect Topics

MAP4 Software can be used to evaluate the sample test results with dynamic tear data calculated at every point of the test to allow for real-time data as the sample tears. Adheres to Industry Quality Standards: ASTM D295, D752, D4247, D1424, D1922, D5734; TAPPI T414, T496; BS 2782, 4253, 4468; CPPA D.9; DIN 53862, 53128; ISO 1974,6383-2, 9290 ...

# **Elmendorf Tear Tester - Materials Testing Equipment**

ASTM D 6797: Test methods for Nonwovens - Part 10: Lint and other particles generation in the dry state. ISO 9073-10: Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus: ASTM D1424: Impact Resistance of Plastic Film by the Free-Falling Dart: ASTM D1709: Bursting Strength of Textiles - Constant-Rate-of-Traverse (CRT) Ball ...

## **NONWOVENS TESTING » SGS-IPS Testing**

ProTear Elmendorf Tear Tester standards: • ASTM D295, D752, D1424, D1922, D5734 • TAPPI T414, T496 • BS 2782, 4253, 4468 • CPPA D.9 • DIN 53862, 53128 • ISO 1974,6383-2, 9290 • EN 21974 • SCAN P11 Heavy-Duty ProTear Standards • ASTM D751 • D5734 • ASTM D1424 • ISO 13937-1

#### **ELMENDORF TEARING TESTER**

1.1.1 The CRE-type tensile testing machine has become the preferred test apparatus for determining trapezoid tearing strength. It is recognized that some constant-rate-of-traverse-type (CRT) tensile testing machines continue to be used. Consequently, these test instruments may be used when agreed upon between the purchaser and the supplier.

#### ASTM D5587 - 15(2019) Standard Test Method for Tearing ...

Labthink tear strength test equipment is a user-friend instrument and test range is from 200gf to 6400gf with suitable pendulum. SLY-S1 Tear Strength Test Equipment conforms to ISO 6383-1-1983, ISO 6383-2-1983, ISO 1974, ASTM D1922, ASTM D1424, ASTM D689, TAPPI T414

#### Tearing Strength Testers - Paper Elmendorf Tearing Tester ...

Elmendorf tear tester, falling-pendulum instrument, controlled by a computer, is used to determine the ballistic tearing strength of textiles, paper, plastics, or board. Tear Strength Tester complies with the main standards. The tearing tester is additionally improved and supported by the easy to use computers to control them, which has made it easy to operate when doing tearing tests and also ...

## All to Know about Elmendorf Tear Test - Elmendorf tear tester

ASTM D4533 - Trapezoid Tearing Strengths of Geotextiles. To request a quotation for any test email info@trl.com for a prompt reply ASTM D4533 covers the determination of the force required continue to propagate a tear in woven or non-woven geotextiles.

#### **ASTM D4533 - Trapezoid Tearing Strengths of Geotextiles - TRL**

Elmendorf tear strength tester test methods includes ASTM D1922, ASTM D1424, DIN 53862, EN ISO 13937-1, ISO 4674-2 and etc. Welcome to contact us Today for the elmendorf tear tester price and more details. 1. Unuo Elmendorf Tear Tester Features Easy operation and long service life;

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