Isekinnituvad teibid. Rebenemiskindluse mõõtmine pendelmeetodil

Self adhesive tape - Measurement of tear resistance by the pendulum

EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 12025:2000 sisaldab Euroopa standardi EN 12025:1996 ingliskeelset teksti. Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 12025:2000 consists of the English text of the European standard EN 12025:1996. This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: Standard esitab meetodi standardsetel teimitingimustel teatud tüüpi teipide rebimisel rakendatava jõu mõõtmiseks. Teimimeetodi üksikasjad sõltuvad teimitava teibi laiusest. Kui teibid on kitsamad kui 63,5 mm, tuleb järgida lisa A (normatiiv).	**Scope:**

ICS 83.180

Võtmesõnad: pendlid, rebimisteimid, rebimistugevus, teibid

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English version

Self-adhesive tapes

Measurement of tear resistance by the pendulum

Rubans auto-adhésifs; mesure de la résistance au déchirement par la méthode du pendule

Klebebänder; Messung der Reißfestigkeit mit dem Pendelverfahren

This European Standard was approved by CEN on 1996-04-19.

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by the Technical Committee CEN/TC 253 "Self adhesive tapes", the secretariat of which is held by AFNOR.

This standard gives :

- the annex A (normative) Measurement of tear resistance of narrow adhesive tapes by the pendulum method.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 1996, and conflicting national standards shall be withdrawn at the latest by November 1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies the method to measure the force required to tear certain types of adhesive tapes under standard test conditions.
Details of the test method depend upon the width of the adhesive tape under test. For adhesive tapes less than 63,5 mm width it is necessary to use Annex A (normative).

2 Normative reference

This European Standard incorporates by dated or undated reference, provisions from these publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 1974 Paper - Determination of tearing resistance (Elmendorf method)

3 Principle

A standard length of adhesive tape, having a small initial cut in it, is torn by means of a force applied suddenly. The force required to produce this tear is measured by means of a pendulum apparatus (e.g. Elmendorf).

4 Apparatus

Pendulum machine (see figure 1) of the test method is designed so that the test piece is held between two clamps and is torn by the fall of the pendulum under its own mass. The machine shall have the following characteristics:

4.1 Two clamps : a moveable clamp carried on the pendulum and a fixed clamp.

4.2 A pendulum preferably formed by a sector of a wheel or circle, free to swing on a ball-bearing or other substantially frictionless bearing. The pendulum carries a circumferential graduated scale to indicate the force used in tearing the test piece.

4.3 When the pendulum is in the raised position, the moveable clamp shall lie in the same plane as the fixed clamp, forming, in effect, an extension to the fixed clamp. This plane shall be perpendicular to the plane of oscillation of the pendulum. The gripping surface of the jaws in each clamp shall be not less than 25 mm wide and 16,5 mm deep. The clamps shall be 2,5 mm apart.

4.4 Pointer and pointer-stop arranged to record the maximum arc of swing of the sector pendulum.

4.5 Sector release to hold the pendulum in a raised position during the mounting of the test piece and enable it to fall under its own weight.