

Isekinnituvad teibid. Staatilise koormuse mõjul tekkiva venimise mõõtmine

Self adhesive tapes - Measurement of elongation under static load

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12028:2000 sisaldab Euroopa standardi EN 12028:1996 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 12028:2000 consists of the English text of the European standard EN 12028:1996. 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.
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Käsitlusala: Standard esitab meetodi venimise mõõtmiseks teibil, mida hoitakse suhteliselt lühikese aja jooksul nõrga pinge all. See meetod peab andma teibi kasutajale teavet teibi venimise kohta kasutamise käigus tekkiva pinge korral. Teimitakse eelkõige teipe, millel on väga veniv aluskiht.	Scope:
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ICS 83.180

Võtmesõnad: mõõtmine, pikenemine, teibid, tõmbeteimid

ICS 83.180

Descriptors: Self-adhesive tapes, elongation, testing.

English version

Self-adhesive tapes

Measurement of elongation under static load

Rubans auto-adhésifs; mesure de l'allongement sous charge statique

Klebebänder; Messung der Dehnung unter statischer Belastung

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

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
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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 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 elongation of an adhesive tape under a low tension maintained over a relatively short period. This method is intended to give an indication to the user of the elongation of an adhesive tape under tension in use. This test is particularly applicable to adhesive tapes based on highly stretchable backings.

2 Principle

The adhesive tape is subjected to a relatively light load for a brief but definite period of time under standard test conditions. The elongation of the adhesive tape is then measured.

3 Apparatus

3.1 A rule, 1 metre long, graduated in millimetres, suitably supported in a vertical position with the zero marking uppermost.

3.2 A holder fixed at the zero end of the rule, enabling the adhesive tape to hang freely without touching the rule.

3.3 A second holder with suitable means for attaching mass, designed to avoid contact with the rule.

3.4 Appropriate mass to exert a force of 10 N/cm width of adhesive tape including the mass of the second holder and attachment.

3.5 Stop-watch or other timer.

4 Test samples and test pieces

Condition the sample roll for 24 hours at $23\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ and $50\text{ \%} \pm 5\text{ \%}$ relative humidity.

Discard the three outer turns of adhesive tape from the roll before taking test pieces. Take five test pieces 600 mm in length from the roll.

Remove the test pieces radially from the roll at approximately 300 mm/s. Then hang the test pieces vertically and condition for a further two hours in the standard test conditions in order to remove all strain and distortion due to unwinding.

5 Procedure

5.1 Standard test conditions

The test shall be carried out at $23\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ and $50\text{ \%} \pm 5\text{ \%}$ relative humidity.