

## Isekinnituvad teibid - Löögikindluse mõõtmine

Self adhesive tapes - Measurement of impact resistance

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12030:2000 sisaldab Euroopa standardi EN 12030:1996 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12030:2000 consists of the English text of the European standard EN 12030:1996.</p> <p>This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>Standard esitab meetodi teibi löögikindluse määramiseks. Teibil võib olla katkemis- ja rebenemistugevus, millest piisab ühtlasele jõule vastupidamiseks, kuid võib puududa piisav löögikindlus kasutamise käigus mõnikord esinevate löökide talumiseks. Selle meetodiga on võimalik teimida teipe maksimaalse laiusega kuni 25 mm.</p>	<p><b>Scope:</b></p>
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**Võtmesõnad:** katsed, löögikindlus, löögiteimid, mõõtmine, teibid

ICS 83.180

Descriptors: Self-adhesive tapes, testing, impact resistance.

**English version**

**Self-adhesive tapes**  
**Measurement of impact resistance**

Rubans auto-adhésifs; mesure de la  
résistance à l'impact

Klebebänder; Messung des Schlagwider-  
stands

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  
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 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 determine the ability of an adhesive tape to resist impact forces.

An adhesive tape may possess adequate breaking and tear strengths to withstand a steady force, but it may lack sufficient impact strength to withstand the shock forces sometimes experienced in use.

The maximum width of adhesive tape tested by this method is 25 mm. For rolls of adhesive tape of this width or less, the impact resistance measured corresponds to that of adhesive tape as supplied commercially, i.e. with factory-cut edges.

For rolls of adhesive tape wider than 25 mm, this test method provides for the adhesive tape to be cut down to 25 mm with a well-sharpened instrument. In such cases, because of the better cutting of the edges, the results may be higher than would be found on commercially supplied adhesive tape.

## 2 Definition

For the purpose of this standard the following definition applies :

**impact resistance** : The ability of a tape to resist sudden shock. For example as may sometimes be encountered by packages in transit.

## 3 Principle

The adhesive tape is firmly held horizontally and a given mass is allowed to fall onto its centre from a selected height.

The impact resistance is measured in two ways :

**3.1** As the maximum shock force that an adhesive tape can withstand under a single impact.

**3.2** As the maximum shock force that an adhesive tape can withstand when a specified number of impacts is repeatedly applied. (In commercial practice there will usually be an agreed minimum shock force for this method between supplier and user. It will suffice to test the adhesive tape at this minimum force only to ensure that it meets this requirement.)

## 4 Apparatus

### 4.1 Test equipment (see figure 1)

This shall be a free-falling drop tester or similar equipment capable of giving equivalent results.

The falling spade shall have a rounded striking face of 25 mm radius. The total mass of the spade shall be  $2 \text{ kg} \pm 0,05 \text{ kg}$ . Additional masses shall be provided to extend the range of the equipment. These masses will be in regular increments of  $1 \text{ kg} \pm 0,05 \text{ kg}$ .