

**Plastid. Jäikade plastide vastupidavuse
määramine mitmesuunalise löögi mõjule.
Osa 2: Mõõteaparatuuriga varustatud
läbistuskatse**

Plastics - Determination of puncture impact
behaviour of rigid plastics - Part 2: Instrumented
puncture test

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 6603-2:2001 sisaldab Euroopa standardi EN ISO 6603-2:2000 ingliskeelset teksti. Käesolev dokument on jõustatud 09.03.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 6603-2:2001 consists of the English text of the European standard EN ISO 6603-2:2000. This document is endorsed on 09.03.2001 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: Käesolev standard määrab kindlaks meetodi jäikade plastide löögiomaduste määramiseks, kusjuures plastid on tasapinnaliste proovikehade kujul, kas ketta- või ruudukujuliste tükkidena, mis on otse pressitud või lõigatud välja lehtmaterjalist.	Scope:
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ICS 83.080.01

Võtmesõnad:

English version

Plastics

**Determination of puncture impact behaviour
of rigid plastics**

**Part 2: Instrumented impact testing
(ISO 6603-2 : 2000)**

Plastiques – Détermination du
comportement des plastiques rigides
perforés sous l'effet d'un choc –
Partie 2: Essai de choc instrumenté
(ISO 6603-2 : 2000)

Kunststoffe – Bestimmung des
Durchstoßverhaltens von festen
Kunststoffen – Teil 2: Instrumentierter
Schlagversuch (ISO 6603-2 : 2000)

This European Standard was approved by CEN on 2000-10-01.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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

CEN

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

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Foreword

International Standard

ISO 6603-2 : 2000 Plastics – Determination of puncture impact behaviour of rigid plastics – Part 2:
Instrumented impact testing,

which was prepared by ISO/TC 61 ‘Plastics’ of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 249 ‘Plastics’, the Secretariat of which is held by IBN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by April 2001 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 6603-2 : 2000 was approved by CEN as a European Standard without any modification.

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1 Scope

This part of ISO 6603 specifies a test method for the determination of puncture impact properties of rigid plastics, in the form of flat specimens, using instruments for measuring force and deflection. It is applicable if a force-deflection or force-time diagram, recorded at nominally constant striker velocity, is necessary for detailed characterization of the impact behaviour.

ISO 6603-1 can be used if it is sufficient to characterize the impact behaviour of plastics by a threshold value of impact-failure energy based on many test specimens.

It is not the purpose of this part of ISO 6603 to give an interpretation of the mechanism occurring on every particular point of the force-deflection diagram. These interpretations are a task for scientific research.

NOTE See also clause 1 of ISO 6603-1:2000.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 6603. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 6603 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 2602:1980, *Statistical interpretation of test results — Estimation of the mean — Confidence interval*.

ISO 6603-1:2000, *Plastics — Determination of puncture impact behaviour of rigid plastics — Part 1: Non-instrumented impact testing*.

3 Terms and definitions

For the purposes of this part of ISO 6603, the following terms and definitions apply.

3.1

impact velocity

v_0

velocity of the striker relative to the support at the moment of impact

NOTE Impact velocity is expressed in metres per second (m/s).