



# SLOVENSKI STANDARD SIST EN ISO 9653:2001

01-junij-2001

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SIST EN 29653:1998

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**Lepila - Preskusna metoda udarne strižne trdnosti lepljenih stikov (ISO 9653:2000)**

Adhesives - Test method for shear impact strength of adhesive bonds (ISO 9653:1998)

Klebstoffe - Prüfverfahren für die Scherschlagfestigkeit von Klebungen (ISO 9653:1998)

Adhésifs - Essai de tenue au choc par cisaillement du joint adhésif (ISO 9653:1998)

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**Ta slovenski standard je istoveten z: EN ISO 9653:2000**

<https://standards.itih.ai/catalog/standards/sist/77a5c9fc-b763-4ecc-8172-ae3ab59d2d24/sist-en-iso-9653-2001>

**ICS:**

83.180              Lepila                                      Adhesives

**SIST EN ISO 9653:2001**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 9653

July 2000

ICS 83.180

Supersedes EN 29653:1994

English version

## Adhesives - Test method for shear impact strength of adhesive bonds (ISO 9653:1998)

Adhésifs - Essai de tenue au choc par cisaillement du joint adhésif (ISO 9653:1998)

Klebstoffe - Prüfverfahren für die Scherschlagfestigkeit von Klebungen (ISO 9653:1998)

This European Standard was approved by CEN on 9 June 2000.

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

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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## Foreword

The text of the International Standard from Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 193 "Adhesives", the secretariat of which is held by AENOR.

This European Standard supersedes EN 29653:1994.

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 January 2001, and conflicting national standards shall be withdrawn at the latest by January 2001.

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

## Endorsement notice

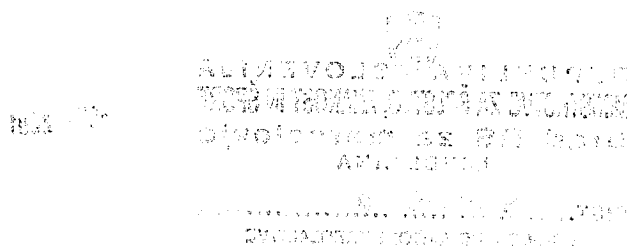
The text of the International Standard ISO 9653:1998 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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**Annex ZA (normative)**  
**Normative references to international publications**  
**with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 291	1997	Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	1997
ISO 9142	1990	Adhesives - Guide to the selection of standard laboratory ageing conditions for testing bonded joints	EN 29142	1993
ISO 10365	1992	Adhesives - Designation of main failure patterns	EN ISO 10365	1995

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# INTERNATIONAL STANDARD

**ISO**  
**9653**

Second edition  
1998-08-01

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## Adhesives — Test method for shear impact strength of adhesive bonds

*Adhésifs — Essai de tenue au choc par cisaillement du joint adhésif*

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Reference number  
ISO 9653:1998(E)

**ISO 9653:1998(E)****Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 9653 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This second edition cancels and replaces the first edition (ISO 9653:1991). In addition to normative references, requirements have been added for the preparation of plastic-to-plastic specimens prior to bonding (8.1.3), and the requirements for specimen conditioning (9.1) and for the reporting of failure patterns (10.4.3) changed.

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# Adhesives — Test method for shear impact strength of adhesive bonds

## 1 Scope

**1.1** This International Standard specifies a method for the determination of the comparative impact value of adhesive bonds in shear, when tested on standard specimens, and using specified conditions of preparation, conditioning and testing.

**1.2** The method is intended to be used for wood-to-wood or metal-to-metal bonds, but may be extended to cover plastics-to-plastics bonds as well as bonds between combinations of these materials.

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## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 291:1997, *Plastics — Standard atmospheres for conditioning and testing*.

ISO 4588:1995, *Adhesives — Guidelines for the surface preparation of metals*.

ISO 9142:1990, *Adhesives — Guide to the selection of standard laboratory ageing conditions for testing bonded joints*.

ISO 10365:1992, *Adhesives — Designation of main failure patterns*.

ISO 13895:1996, *Adhesives — Guidelines for the surface preparation of plastics*.

## 3 Definition

For the purposes of this International Standard, the following definition applies.

**3.1 impact value:** Energy absorbed by a specimen of standard design when sheared by a single blow of a testing-machine hammer. The impact value is expressed in joules per square metre.

## 4 Principle

The impact value is determined by using a pendulum-type impact machine on a metal-to-metal or wood-to-wood specimen.