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**Z vlakni ojačeni kompozitni polimerni materiali – Določevanje odvisnosti strižne napetosti od strižne deformacije vključno s strižnim modulom in strižno trdnostjo v ravnini - 45° preskus (ISO 14129:1997)**

Fibre-reinforced plastic composites - Determination of the in-plane shear stress/shear strain response, including the in-plane shear modulus and strength, by the +/- 45° tension test method (ISO 14129:1997)

Faserverstärkte Kunststoffe - Zugversuch an 45°-Laminaten zur Bestimmung der Schubspannungs/Schubverformungs-Kurve, des Schubmoduls und der Schubfestigkeit in der Lagenebene (ISO 14129:1997)

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Composites plastiques renforcés de fibres - Détermination de la réponse contrainte-déformation en cisaillement plan, module et résistance compris, par essai de traction a +/- 45° (ISO 14129:1997)

**Ta slovenski standard je istoveten z: EN ISO 14129:1997**

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**ICS:**

83.120

Ojačani polimeri

Reinforced plastics

**SIST EN ISO 14129:1999**

**en**

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EUROPEAN STANDARD  
 NORME EUROPÉENNE  
 EUROPÄISCHE NORM

EN ISO 14129

December 1997

ICS 83.120; 83.140.20

Descriptors: see ISO document

English version

Fibre-reinforced plastic composites - Determination of the in-plane shear stress/shear strain response, including the in-plane shear modulus and strength, by the +/- 45° tension test method (ISO 14129:1997)

Composés plastiques renforcés de fibres - Détermination de la réponse contrainte-déformation en cisaillement plan, module et résistance compris, par essai de traction à +/- 45° (ISO 14129:1997)

Faserverstärkte Kunststoffe - Zugversuch an 45°-Laminaten zur Bestimmung der Schubspannungs/Schubverformungs-Kurve, des Schubmoduls und der Schubfestigkeit in der Lagenebene (ISO 14129:1997)

This European Standard was approved by CEN on 23 November 1997.

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.



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

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

Page 2  
EN ISO 14129:1997

## Foreword

The text of the International Standard ISO 14129:1997 has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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 June 1998, and conflicting national standards shall be withdrawn at the latest by June 1998.

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 14129:1997 was 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 2818	1994	Plastics - Preparation of test specimens by machining	EN ISO 2818	1996

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# INTERNATIONAL STANDARD

**ISO**  
**14129**

First edition  
1997-12-15

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## **Fibre-reinforced plastic composites — Determination of the in-plane shear stress/ shear strain response, including the in-plane shear modulus and strength, by the $\pm 45^\circ$ tension test method**

**iTeh STANDARD PREVIEW**  
*Composites plastiques renforcés de fibres — Détermination de la réponse  
contrainte-déformation en cisaillement plan, module et résistance compris,  
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Reference number  
ISO 14129:1997(E)

## ISO 14129:1997(E)

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## 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.

iTeh STANDARD PREVIEW

International Standard ISO 14129 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 13, *Composites and reinforcement fibres*.

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