



SLOVENSKI STANDARD SIST EN ISO 1890:2009

01-oktober-2009

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SIST EN ISO 1890:1999

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Reinforcement yarns - Determination of twist (ISO 1890:2009)

Verstärkungsgarne - Bestimmung der Drehungszahl (ISO 1890:2009)

Fils de renfort - Détermination de la torsion (ISO 1890:2009)

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Ta slovenski standard je istoveten z: EN ISO 1890:2009

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ICS:

59.100.01

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Materials for the
reinforcement of composites
in general

SIST EN ISO 1890:2009

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 1890

June 2009

ICS 59.100.01

Supersedes EN ISO 1890:1997

English Version

Reinforcement yarns - Determination of twist (ISO 1890:2009)

Fils de renfort - Détermination de la torsion (ISO 1890:2009)

Verstärkungsgarne - Bestimmung der Drehungszahl (ISO 1890:2009)

This European Standard was approved by CEN on 30 May 2009.

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 CEN Management Centre 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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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COMITÉ EUROPÉEN DE NORMALISATION
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Contents

Page

Foreword.....3

**iTeh STANDARD PREVIEW
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SIST EN ISO 1890:2009

<https://standards.iteh.ai/catalog/standards/sist/ba3dd3ae-1be9-41b3-91fa-a5d47958edce/sist-en-iso-1890-2009>

Foreword

This document (EN ISO 1890:2009) 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 NBN.

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 December 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 1890:1997.

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

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The text of ISO 1890:2009 has been approved by CEN as a EN ISO 1890:2009 without any modification.

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INTERNATIONAL STANDARD

**ISO
1890**

Fourth edition
2009-06-01

Reinforcement yarns — Determination of twist

Fils de renfort — Détermination de la torsion

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 1890 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 13, *Composites and reinforcement fibres*.

This fourth edition cancels and replaces the third edition (ISO 1890:1997), of which it constitutes a minor revision. The main changes are as follows:

- the scope has been broadened to include all reinforcement-fibre yarns;
- the normative references have been updated;
- the reference to ISO 1886 which was in the first footnote on page 3 has been removed (ISO 1886 has been withdrawn without replacement).