

SLOVENSKI STANDARD

SIST EN ISO 3673-2:2000

01-december-2000

Polimerni materiali - Epoksidne smole - 2. del: Priprava preskušancev in ugotavljanje lastnosti (ISO 3673-2:1999)

Plastics - Epoxy resins - Part 2: Preparation of test specimens and determination of properties (ISO 3673-2:1999)

Kunststoffe - Epoxidharze - Teil 2: Herstellung von Probekörpern und Bestimmung von Eigenschaften (ISO 3673-2:1999)

Plastiques - Résines époxydes - Partie 2: Préparation des éprouvettes et détermination des propriétés (ISO 3673-2:1999)

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Ta slovenski standard je istoveten z: EN ISO 3673-2:1999

ICS:

83.080.10

Duromeri

Thermosetting materials

SIST EN ISO 3673-2:2000

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 3673-2

December 1999

ICS 83.080.00

English version

Plastics - Epoxy resins - Part 2: Preparation of test specimens
and determination of properties (ISO 3673-2:1999)

Plastiques - Résines époxydes - Partie 2: Préparation des
échantillons et détermination des propriétés (ISO 3673-
2:1999)

Kunststoffe - Epoxidharze - Teil 2: Herstellung von
Prüfkorpern und Bestimmung von Eigenschaften (ISO
3673-2:1999)

This European Standard was approved by CEN on 15 December 1999.

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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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.

Publication	Year	Title	EN	Year
ISO 62	1999	Plastics - Determination of water absorption	EN ISO 62	1999
ISO 75-1	1993	Plastics - Determination of temperature of deflection under load - Part 1: General test method	EN ISO 75-1	1996
ISO 75-2	1993	Plastics - Determination of temperature of deflection under load - Part 2: Plastics and ebonite	EN ISO 75-2	1996
ISO 178	1993	Plastics - Determination of flexural properties	EN ISO 178	1996
ISO 291	1997	Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	1997
ISO 527-1	1993	Plastics - Determination of tensile properties - Part 1: General principles	EN ISO 527-1	1996
ISO 527-2	1993	Plastics - Determination of tensile properties - Part 2: Test conditions for moulding and extrusion plastics	EN ISO 527-2	1996
ISO 1183	1987	Plastics - Methods for determining the density of non-cellular plastics - Part 3: Gas pycnometer method	EN ISO 1183-3	1999
ISO 1675	1985	Plastics - Liquid resins - Determination of density by the pycnometer method	EN ISO 1675	1998
ISO 2555	1989	Plastics - Resins in the liquid state or as emulsions or dispersions - Determination of apparent viscosity by the Brookfield Test method	EN ISO 2555	1999
ISO 2818	1994	Plastics - Preparation of test specimens by machining	EN ISO 2818	1996
ISO 3001	1999	Plastics - Epoxy compounds - Determination of epoxy equivalent	EN ISO 3001	1999

Publication	Year	Title	EN	Year
ISO 3104	1994	Petroleum products - Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity	EN ISO 3104	1996
ISO 3146		Plastics - Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers	EN ISO 3146	1996
ISO 3219	1993	Plastics - Polymers/resins in the liquid state or as emulsions or dispersions - Determination of viscosity using a rotational viscometer with defined shear rate	EN ISO 3219	1994
ISO 3521	1997	Plastics - Unsaturated polyester and epoxy resins - Determination of overall volume shrinkage	EN ISO 3521	1999
ISO 4583	1998	Plastics - Epoxy resins and related materials - Determination of easily saponifiable chlorine	EN ISO 4583	1998
ISO 4589-2	1996	Plastics - Determination of burning behaviour by oxygen index - Part 2: Ambient-temperature test	EN ISO 4589-2	1999
ISO 4615	1979	Plastics - Unsaturated polyesters and epoxide resins - Determination of total chlorine content	EN ISO 4615	1999
ISO 4895	1997	Plastics - Liquid epoxy resins - Determination of tendency to crystallize	EN ISO 4895	1999
ISO 10350	1993	Plastics - Acquisition and presentation of comparable single-point data	EN ISO 10350	1995

INTERNATIONAL STANDARD

ISO
3673-2

First edition
1999-12-15

Plastics — Epoxy resins —

Part 2:

Preparation of test specimens and determination of properties

Plastiques — Résines époxydes —
Partie 2: Préparation des éprouvettes et détermination des propriétés
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Reference number
ISO 3673-2:1999(E)

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Printed in Switzerland

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ISO 3673-2:1999(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 part of ISO 3673 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 3673-2 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

ISO 3673 consists of the following parts, under the general title *Plastics — Epoxy resins*:

- *Part 1: Designation*
- *Part 2: Preparation of test specimens and determination of properties*

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Introduction

The purpose of this part of ISO 3673 is to designate procedures for the determination of intrinsic properties of epoxy resins (EP). It specifies procedures and conditions for the preparation of test specimens of epoxy resins in a specified state, and methods for measuring their properties. Those properties and test methods which are suitable and necessary for characterizing epoxy resins are listed. Because of the specificity of thermosetting resins like epoxy resins, contrary to the other plastic products, a distinction is made between the presentation of the properties before crosslinking (characteristics which are useful for processing) and after crosslinking (intrinsic characteristics).

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