



SLOVENSKI STANDARD
SIST EN ISO 8987:2006

01-januar-2006

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SIST EN ISO 8987:1999

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Plastics - Phenolic resins - Determination of reactivity on a B-transformation test plate
(ISO 8987:2005)

iTeh STANDARD PREVIEW

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Kunststoffe - Phenolharze - Bestimmung der Reaktivität auf einer B-Zeit-Prüfplatte (ISO
8987:2005)

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Plastiques - Résines phénoliques - Méthodes d'évaluation de la réactivité sur plaque
d'essai de transformation au stade B (ISO 8987:2005)

Ta slovenski standard je istoveten z: EN ISO 8987:2005

ICS:

83.080.10 Duromeri Thermosetting materials

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8987

October 2005

ICS 83.080.10

Supersedes EN ISO 8987:1998

English Version

Plastics - Phenolic resins - Determination of reactivity on a B-transformation test plate (ISO 8987:2005)

Plastiques - Résines phénoliques - Méthodes d'évaluation de la réactivité sur plaque d'essai de transformation au stade B (ISO 8987:2005)

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This European Standard was approved by CEN on 29 August 2005.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 8987:2005 (E)**Foreword**

This document (EN ISO 8987:2005) 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 April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

This document supersedes EN ISO 8987:1998.

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

Endorsement notice

The text of ISO 8987:2005 has been approved by CEN as EN ISO 8987:2005 without any modifications.

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INTERNATIONAL STANDARD

ISO
8987

Third edition
2005-10-01

Plastics — Phenolic resins — Determination of reactivity on a B-transformation test plate

*Plastiques — Résines phénoliques — Méthodes d'évaluation de la
réactivité sur plaque d'essai de transformation au stade B*

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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 8987 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

This third edition cancels and replaces the second edition (ISO 8987:1995), which had been revised to allow the temperature of the test plate to be controlled by melting salts.

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Plastics — Phenolic resins — Determination of reactivity on a B-transformation test plate

1 Scope

This International Standard specifies methods for the determination of the B-transformation time of phenolic resins at a specified temperature and under specified conditions on a heated test plate.

Two methods are described, each with a different test plate:

Method A — plate with depressions in the form of segments of spheres;

Method B — flat plate without depressions.

2 Principle

The condensation of the phenolic resin is carried out to the B-stage on one of two types of test plate, depending on the method.

3 Method A: Determination on a plate with depressions

3.1 Apparatus

3.1.1 Thermostatic control device, permissible temperature variation $\pm 0,5$ °C.

3.1.2 Hotplate, on which the test plate can be fixed in a suitable manner to obtain optimum heat transfer.

NOTE No hotplate is necessary if a test plate with an integral heater is used.

3.1.3 Glass rod, 5 mm in diameter, tapering to about 2 mm in diameter at one end.

3.1.4 Balance, scale interval 0,01 g.

3.1.5 Syringe.

3.1.6 Stopwatch, with at least 1 s sub-divisions.

3.1.7 B-transformation test plate, with depressions as shown in Figure 1, with or without an integral heater. Suitable melting salts may be used for accurate control of the heater.

3.2 Number of tests

Conduct one or more tests, depending on the requirements of the appropriate International Standard or as agreed between the parties concerned.