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**Plastid. Fenoolvaigud. Keemilise
aktiivsuse määramine B-kujulisel
katseplaadil**

Plastics - Phenolic resins - Determination of
reactivity on a Btransformation test plate

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 8987:2005 sisaldab Euroopa standardi EN ISO 8987:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.11.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 8987:2005 consists of the English text of the European standard EN ISO 8987:2005.</p> <p>This document is endorsed on 25.11.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: 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.</p>	<p>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.</p>
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ICS 83.080.10

Võtmesõnad: alkalinity, chemical, determination, paints, plastics

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)

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

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

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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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.

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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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**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

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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.

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.