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Standards

Irish Standard
I.S. EN ISO 8986-2:2009

Plastics - Polybutene-1 (PB-1) moulding
and extrusion materials - Part 2:
Preparation of test specimens and
determination of properties (ISO 8986
-2:2009)

I.S. EN ISO 8986-2:2009

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English Version

**Plastics - Polybutene-1 (PB-1) moulding and extrusion materials
- Part 2: Preparation of test specimens and determination of
properties (ISO 8986-2:2009)**

Plastiques - Matériaux à base de polybutène-1 (PB-1) pour
moulage et extrusion - Partie 2: Préparation des
échantillons et détermination des propriétés (ISO 8986-
2:2009)

Kunststoffe - Polybuten-1 (PB-1)-Formmassen - Teil 2:
Herstellung von Probekörpern und Bestimmung von
Eigenschaften (ISO 8986-2:2009)

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Contents

Page

Foreword.....3

Foreword

This document (EN ISO 8986-2:2009) 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of an identical text or by endorsement, at the latest by May 2010, and conflicting national standards shall be withdrawn at the latest by May 2010.

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The text of ISO 8986-2:2009 has been approved by CEN as a EN ISO 8986-2:2009 without any modification.

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I.S. EN ISO 8986-2:2009
**INTERNATIONAL
STANDARD**

**ISO
8986-2**

Second edition
2009-11-15

**Plastics — Polybutene-1 (PB-1) moulding
and extrusion materials —**

Part 2:
**Preparation of test specimens and
determination of properties**

*Plastiques — Matériaux à base de polybutène-1 (PB-1) pour moulage
et extrusion —*

Partie 2: Préparation des éprouvettes et détermination des propriétés



Reference number
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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.

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ISO 8986-2 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This second edition cancels and replaces the first edition (ISO 8986-2:1995), which has been technically revised to reflect the changes made in the concurrent revision of ISO 8986-1. It also incorporates the Amendment ISO 8986-2:1995/Amd.1:2000.

ISO 8986 consists of the following parts, under the general title *Plastics — Polybutene-1 (PB-1) moulding and extrusion materials*:

- *Part 1: Designation system and basis for specifications*
- *Part 2: Preparation of test specimens and determination of properties*

Plastics — Polybutene-1 (PB-1) moulding and extrusion materials —

Part 2: Preparation of test specimens and determination of properties

1 Scope

This part of ISO 8986 specifies the methods of preparation of test specimens and the test methods to be used in determining the properties of polybutene-1 (PB-1) moulding and extrusion materials. For the sake of simplicity, the designation polybutene and the abbreviation PB are used in both parts of ISO 8986. Requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing are also specified.

Procedures and conditions for the preparation of test specimens and procedures for measuring properties of the materials from which these specimens are made are given. Properties and test methods which are suitable and necessary to characterize PB moulding and extrusion materials are listed.

The properties have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for or of particular significance to these moulding and extrusion materials are also included in this part of ISO 8986, as is the designatory property specified in Part 1.

In order to obtain reproducible and comparable test results, it is necessary to use the methods of specimen preparation and conditioning, the specimen dimensions and the test procedures specified herein. Values determined will not necessarily be identical to those obtained using specimens of different dimensions or prepared using different procedures.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 62, *Plastics — Determination of water absorption*

ISO 75-2, *Plastics — Determination of temperature of deflection under load — Part 2: Plastics and ebonite*

ISO 178, *Plastics — Determination of flexural properties*

ISO 179-1, *Plastics — Determination of Charpy impact properties — Part 1: Non-instrumented impact test*

ISO 179-2, *Plastics — Determination of Charpy impact properties — Part 2: Instrumented impact test*

ISO 291, *Plastics — Standard atmospheres for conditioning and testing*

ISO 293, *Plastics — Compression moulding of test specimens of thermoplastic materials*

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