



NSAI
Standards

Irish Standard
I.S. EN ISO 25137-2:2017

Plastics - Sulfone polymer moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 25137-2:2009)

I.S. EN ISO 25137-2:2017

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN ISO 25137-2:2017 is the adopted Irish version of the European Document EN ISO 25137-2:2017, Plastics - Sulfone polymer moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 25137-2:2009)

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EUROPEAN STANDARD

EN ISO 25137-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2017

ICS 83.080.20

English Version

Plastics - Sulfone polymer moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 25137-2:2009)

Plastiques - Matériaux pour moulage et extrusion à base de polymères sulfone - Partie 2: Préparation des éprouvettes et détermination des propriétés (ISO 25137-2:2009)

Kunststoffe - Sulfonpolymer-Werkstoffe - Teil 2: Herstellung von Probekörpern und Bestimmung von Eigenschaften (ISO 25137-2:2009)

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN ISO 25137-2:2017 (E)

Contents	Page
European foreword.....	3

European foreword

The text of ISO 25137-2:2009 has been prepared by Technical Committee ISO/TC 61 “Plastics” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 25137-2:2017 by 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of an identical text or by endorsement, at the latest by July 2017, and conflicting national standards shall be withdrawn at the latest by July 2017.

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The text of ISO 25137-2:2009 has been approved by CEN as EN ISO 25137-2:2017 without any modification.

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INTERNATIONAL STANDARD

ISO
25137-2

First edition
2009-01-15

Plastics — Sulfone polymer moulding and extrusion materials —

Part 2:

Preparation of test specimens and determination of properties

*Plastiques — Matériaux pour moulage et extrusion à base de
polymères sulfone —*

Partie 2: Préparation des éprouvettes et détermination des propriétés



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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Preparation of test specimens	3
3.1 General	3
3.2 Treatment of the material before moulding	3
3.3 Injection moulding	3
4 Conditioning of test specimens	3
5 Determination of properties	3

ISO 25137-2:2009(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.

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ISO 25137-2 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

ISO 25137 consists of the following parts, under the general title *Plastics — Sulfone polymer moulding and extrusion materials*:

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

Plastics — Sulfone polymer moulding and extrusion materials —

Part 2: Preparation of test specimens and determination of properties

1 Scope

1.1 This part of ISO 25137 specifies the methods of preparation of test specimens and the test methods to be used in determining the properties of sulfone polymer moulding and extrusion materials. Requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing are given here.

1.2 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 sulfone polymer moulding and extrusion materials are listed.

1.3 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 25137, as are the designatory properties specified in Part 1.

1.4 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

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 180, *Plastics — Determination of Izod impact strength*

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

ISO 294-1, *Plastics — Injection moulding of test specimens of thermoplastic materials — Part 1: General principles, and moulding of multipurpose and bar test specimens*

ISO 306, *Plastics — Thermoplastic materials — Determination of Vicat softening temperature (VST)*

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