



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN ISO 4894-2:1999

ICS 83.080.20

**PLASTICS - STYRENE/ACRYLONITRILE (SAN)  
MOULDING AND EXTRUSION MATERIALS -  
PART 2: PREPARATION OF TEST SPECIMENS  
AND DETERMINATION OF PROPERTIES (ISO  
4894-2:1995)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 4894-2

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English version

Plastics - Styrene/acrylonitrile (SAN) moulding and extrusion  
materials - Part 2: Preparation of test specimens and  
determination of properties (ISO 4894-2:1995)

Plastiques - Styrène/acrylonitrile (SAN) pour moulage et  
extrusion - Partie 2: Préparation des éprouvettes et  
détermination des propriétés (ISO 4894-2:1995)

Kunststoffe - Styrol/Acrylnitril (SAN)-Formmassen - Teil 2:  
Herstellung von Probekörpern und Bestimmung von  
Eigenschaften (ISO 4894-2:1995)

This European Standard was approved by CEN on 16 April 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.

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

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## **Foreword**

The text of the International Standard from Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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of an identical text or by endorsement, at the latest by November 1999, and conflicting national standards shall be withdrawn at the latest by November 1999.

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

## **Endorsement notice**

The text of the International Standard ISO 4894-2:1995 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

**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.

| <u>Publication</u> | <u>Year</u> | <u>Title</u>   | <u>EN</u>     | <u>Year</u> |
|--------------------|-------------|--|---------------|-------------|
| 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 179            | 1993        | Plastics – Determination of Charpy impact strength   | EN ISO 179    | 1996        |
| ISO 291            | 1997        | Plastics – Standard atmospheres for conditioning and testing   | EN ISO 291    | 1997        |
| ISO 306            | 1994        | Plastics – Thermoplastic materials – Determination of Vicat softening temperature (VST)  | EN ISO 306    | 1996        |
| 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 527-4          | 1997        | Plastics - Determination of tensile properties - Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites | EN ISO 527-4  | 1997        |
| ISO 899-1          | 1993        | Plastics – Determination of creep behaviour – Part 1: Tensile creep  | EN ISO 899-1  | 1996        |
| ISO 1133           | 1997        | Plastics – Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics                            | EN ISO 1133   | 1999        |
| ISO 2818           | 1994        | Plastics – Preparation of test specimens by machining  | EN ISO 2818   | 1996        |
| ISO 3167           | 1993        | Plastics – Multipurpose-test specimens   | EN ISO 3167   | 1996        |
| ISO 4589-2         | 1996        | Plastics - Determination of burning behaviour by oxygen index - Part 2: Ambient-temperature test   | EN ISO 4589-2 | 1999        |

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| <u>Publication</u> | <u>Year</u> | <u>Title</u>  | <u>EN</u>     | <u>Year</u> |
|--------------------|-------------|---|---------------|-------------|
| ISO 4589-3         | 1996        | Plastics – Determination of burning behaviour by oxygen index – Part 3: Elevated-temperature test                                 | EN ISO 4589-3 | 1996        |
| ISO 4894-1         | 1997        | Plastics - Styrene/acrylonitrile (SAN) moulding and extrusion materials - Part 1: Designation system and basis for specifications | EN ISO 4894-1 | 1999        |
| ISO 8256           | 1990        | Plastics – Determination of tensile-impact strength   | EN ISO 8256   | 1996        |
| ISO 10350          | 1993        | Plastics – Acquisition and presentation of comparable single-point data   | EN ISO 10350  | 1995        |

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