
**Extruded sheets of impact-modified
polystyrene (PS-I) — Requirements and test
methods**

*Plaques extrudées en polystyrène modifié résistant au choc (PS-I) —
Prescriptions et méthodes d'essai*



Foreword

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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.

International Standard ISO 14631 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Throughout the text of this standard, read “..this European Standard...” to mean “...this International Standard...”.

Annexes A and B of this International Standard are for information only.

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Foreword

The text of EN ISO 14631:1999 has been prepared by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN, in collaboration with Technical Committee ISO/TC 61 "Plastics".

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of an identical text or by endorsement, at the latest by August 1999, and conflicting national standards shall be withdrawn at the latest by August 1999.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.

Annex A and Annex B are informative.

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1 Scope

This standard specifies the requirements and test methods for solid flat extruded sheets of impact-modified polystyrene (PS-I¹) without fillers and reinforcing materials. This standard applies only to thickness 0,25 mm to 20,0 mm in accordance with clause 3. This standard also applies to PS-I sheet in roll form.

2 Normative References

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.

EN ISO 179	Plastics – Determination of Charpy impact strength (ISO 179:1993)
EN ISO 291	Plastics – Standard atmospheres for conditioning and testing (ISO 291:1997)
EN ISO 306	Plastics – Thermoplastic materials – Determination of Vicat softening temperature (VST) (ISO 306:1994)
EN ISO 527-1	Plastics – Determination of tensile properties – Part 1: General principles (ISO 527-1:1993 including Corr 1:1994)
EN ISO 527-2	Plastics – Determination of tensile properties – Part 2: Test conditions for moulding and extrusion plastics (ISO 527-2:1993 including Corr 1:1994)
EN ISO 2039-1	Plastics – Determination of hardness – Part 1: Ball indentation method (ISO 2039-1:1993)
EN ISO 2818	Plastics – Preparation of test specimens by machining (ISO 2818:1994)
EN ISO 6603-1	Plastics – Determination of multi-axial impact behaviour of rigid plastics – Part 1: Falling dart method (ISO 6603-1:1985)
ISO 1043-1	Plastics – Symbols and abbreviated terms – Part 1: Basic polymers and their special characteristics
ISO 1183	Plastics - Methods for determining the density and relative density of non-cellular plastics
ISO 2897-1	Plastics - Impact-resistant polystyrene (PS-I) moulding and extrusion materials - Part 1: Designation system and basis for specification
ISO 11 501	Plastics – Film and sheeting - Determination of dimensional change on heating

¹ Abbreviation PS-I see ISO 1043-1