

STN	Plasty Vytlačané dosky z akrylonitril-styrénových kopolymérov (ABS, AEPDS a ASA) s upravenou húževnatosťou Požiadavky a skúšobné metódy (ISO 15015: 2025)	STN EN ISO 15015 64 2721
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Plastics - Extruded sheets of impact-modified acrylonitrile-styrene copolymers (ABS, AEPDS and ASA) - Requirements and test methods (ISO 15015:2025)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/26

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English Version

Plastics - Extruded sheets of impact-modified acrylonitrile-styrene copolymers (ABS, AEPDS and ASA) - Requirements and test methods (ISO 15015:2025)

Plastiques - Plaques extrudées en copolymères d'acrylonitrile-styrène modifiés choc (ABS, AEPDS ou ASA) - Exigences et méthodes d'essai (ISO 15015:2025)

Kunststoffe - Extrudierte Tafeln aus schlagzäh-modifizierten Acrylnitril/Styrol-Copolymeren (ABS, AEPDS und ASA) - Anforderungen und Prüfverfahren (ISO 15015:2025)

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EN ISO 15015:2025 (E)

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 15015:2025) 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 SIS.

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of an identical text or by endorsement, at the latest by May 2026, and conflicting national standards shall be withdrawn at the latest by May 2026.

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Endorsement notice

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International Standard

ISO 15015

Plastics — Extruded sheets of impact- modified acrylonitrile-styrene copolymers (ABS, AEPDS and ASA) — Requirements and test methods

*Plastiques — Plaques extrudées en copolymères d'acrylonitrile-
styrène modifiés choc (ABS, AEPDS ou ASA) — Exigences et
méthodes d'essai*

**Third edition
2025-11**

ISO 15015:2025(en)



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ISO 15015:2025(en)**Contents**

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Material	2
5 Requirements	2
5.1 Appearance.....	2
5.2 Dimensional tolerances.....	2
5.2.1 Thickness.....	2
5.2.2 Length and width.....	2
5.2.3 Rectangularity.....	3
5.2.4 Bow of sheets in rolled form.....	3
5.3 Properties.....	3
5.3.1 Mechanical and thermal properties.....	3
5.3.2 Behaviour on heating.....	4
5.3.3 Physiological behaviour.....	4
6 Test methods	5
6.1 Test specimens.....	5
6.1.1 Preparation of test specimens.....	5
6.1.2 Conditioning.....	5
6.1.3 Test conditions.....	5
6.2 Delivery condition.....	5
6.3 Appearance.....	5
6.4 Dimensions.....	5
6.4.1 Thickness, h	5
6.4.2 Length, l , and width, b	6
6.4.3 Rectangularity.....	6
6.4.4 Bow of sheets in rolled form.....	6
6.5 Density.....	6
6.6 Mechanical properties.....	6
6.6.1 Tensile stress at yield, σ_y	6
6.6.2 Modulus of elasticity in tension, E_t	6
6.6.3 Charpy impact strength of unnotched specimens, a_{cu}	6
6.6.4 Charpy impact strength of notched specimens, a_{cn}	6
6.6.5 Ball indentation hardness.....	6
6.6.6 Melt mass-flow rate (MFR).....	6
6.7 Thermal properties.....	7
6.7.1 Vicat softening temperature.....	7
6.7.2 Determination of shrinkage on heating.....	7
7 Designation	8
7.1 Example for ABS sheets.....	8
7.2 Example for ASA sheets in rolled form.....	9
8 Marking	9
Annex A (informative) Additional guide values	10
Bibliography	11

ISO 15015:2025(en)**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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 15015:2011), which has been technically revised

The main changes are as follows:

- [Clause 3](#), Terms and definitions, has been added, and subsequent clauses have been renumbered;
- Formula (2) has been deleted because the tolerance for the entire sheets delivery would be higher than for each individual sheet, and subsequent formulae have been renumbered;
- in the title of [Table 2](#), ISO 291 has been added;
- in [Tables 2](#) and [3](#), the mechanical properties 50 % impact-failure energy, E_{50} , at $h_n = 4$ mm have been deleted as it is not used;
- puncture impact behaviour (former 5.6.5) has been deleted as it is not used.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Plastics — Extruded sheets of impact-modified acrylonitrile-styrene copolymers (ABS, AEPDS and ASA) — Requirements and test methods

1 Scope

This document specifies the requirements and test methods for solid flat extruded sheets of impact-modified acrylonitrile-styrene copolymer materials:

- acrylonitrile-butadiene-styrene (ABS),
- acrylonitrile-(ethylene-propylene-diene)-styrene (AEPDS) (commonly known as AES), and
- acrylonitrile-styrene-acrylate (ASA), without fillers or reinforcing materials.

This document also applies to ABS, AEPDS and ASA sheet in rolled form. It applies only to thicknesses from 0,25 mm to 20,0 mm.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 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 306, *Plastics — Thermoplastic materials — Determination of Vicat softening temperature (VST)*

ISO 527-2, *Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics*

ISO 1133-1, *Plastics — Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics — Part 1: Standard method*

ISO 1183 (all parts), *Plastics — Methods for determining the density of non-cellular plastics*

ISO 2039-1, *Plastics — Determination of hardness — Part 1: Ball indentation method*

ISO 2818, *Plastics — Preparation of test specimens by machining*

ISO 11501, *Plastics — Film and sheeting — Determination of dimensional change on heating*

ISO 19062-1, *Plastics — Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials — Part 1: Designation system and basis for specifications*

ISO 19065-1, *Plastics — Acrylonitrile-styrene-acrylate (ASA), acrylonitrile-(ethylene-propylene-diene)-styrene (AEPDS) and acrylonitrile-(chlorinated polyethylene)-styrene (ACS) moulding and extrusion materials — Part 1: Designation system and basis for specifications*

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