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Self adhesive tapes - Determination of peel adhesion properties (ISO 29862:2018)

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. 12/19

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**Self adhesive tapes - Determination of peel adhesion
properties (ISO 29862:2018)**

Rubans auto-adhésifs - Détermination des
caractéristiques du pouvoir adhésif linéaire (ISO
29862:2018)

Klebebänder - Bestimmung der Klebkraft (ISO
29862:2018)

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EN ISO 29862:2019 (E)

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European foreword

The text of ISO 29862:2018 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 29862:2019 by Technical Committee CEN/TC 193 "Adhesives" the secretariat of which is held by UNE.

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of an identical text or by endorsement, at the latest by December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

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INTERNATIONAL STANDARD

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Second edition
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Self adhesive tapes — Determination of peel adhesion properties

*Rubans auto-adhésifs — Détermination des caractéristiques du
pouvoir adhésif linéaire*



Reference number
ISO 29862:2018(E)

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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.

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 documents 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*.

This second edition cancels and replaces the first edition (ISO 29862:2007) of which it constitutes a minor revision.

The changes compared to the previous edition are as follows:

- the normative references in [Clause 2](#) have been updated;
- definitions have been added in [Clause 3](#) for “self adhesive tape”, “liner” and “double sided adhesive tape”;
- a Bibliography has been added;
- the text has been editorially revised to comply with the most recent editing rules.

Self adhesive tapes — Determination of peel adhesion properties

1 Scope

This document specifies a series of methods for the determination of peel adhesion properties of self adhesives tapes.

This document contains:

- Method 1: Self adhesive tapes – Measurement of peel adhesion from stainless steel at an angle of 180°;
- Method 2: Self adhesive tapes – Measurement of peel adhesion from its own backing at an angle of 180°;
- Method 3: Self adhesive tapes – Measurement of peel adhesion of double sided and transfer tapes at an angle 180°;
- Method 4: Self adhesive tapes – Measurement of adhesion of the liner to an adhesive tape at an angle of 180°.

[Annexes A](#) and [B](#) specify further variations in the testing protocol according to specific conditions.

A guide to the use of these methods is given in [Table 1](#).

Table 1 — Methods and annexes

Method	Angle of peel	Temperature of test	
		23 °C	Low temperature
Method 1 Adhesion to steel	180°	—	Annex A
	90°	Annex B	-
Method 2 Adhesion to back- ing	180°	—	Annex A
	90°	Annex B	—
Method 3 Adhesion of double sided and transfer tape	180°	—	Annex A
	90°	Annex B	—
Method 4 Adhesion of liner	180°	—	Annex A
	90°	Annex B	-

NOTE 1 These methods provide a means of assessing the uniformity of the adhesion of a given type of self adhesive tape. The assessment may be within a roll of tape, between rolls or between production lots.

NOTE 2 Variations in the tape backing and adhesive affect the response. Therefore these methods cannot be used to pinpoint the specific cause(s) of non uniformity.

NOTE 3 These test methods may not be appropriate to test tapes having either relatively stiff backings, stiff liners or backing showing high stretch at low forces. These characteristics will result in a high variability for the test response which is not a true indication of the real nature of the adhesive bond.

ISO 29862:2018(E)**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.

EN 12481, *Self adhesive tapes — Terminology*

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