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Self adhesive tapes - Determination of peel adhesion properties (ISO 29862:2024)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

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ICS 83.180

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EUROPEAN STANDARD

EN ISO 29862

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2024

ICS 83.180

Supersedes EN ISO 29862:2019

English Version

## Self adhesive tapes - Determination of peel adhesion properties (ISO 29862:2024)

Rubans auto-adhésifs - Détermination des caractéristiques de la force de pelage (pouvoir adhésif linéaire) (ISO 29862:2024)

Klebebänder - Bestimmung der Klebkraft (ISO 29862:2024)

This European Standard was approved by CEN on 9 December 2024.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

## European foreword

This document (EN ISO 29862:2024) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with 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of an identical text or by endorsement, at the latest by June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 29862:2019.

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## Endorsement notice

The text of ISO 29862:2024 has been approved by CEN as EN ISO 29862:2024 without any modification.

# Contents

	Page
<b>Foreword</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Significance and use</b> .....	<b>2</b>
<b>5 Method 1 — Self adhesive tapes — Measurement of peel adhesion from stainless steel at an angle of 180°</b> .....	<b>3</b>
5.1 Principle.....	3
5.2 Materials.....	3
5.3 Apparatus.....	4
5.3.1 Test piece cutter.....	4
5.3.2 Tensile testing machine.....	4
5.3.3 Stainless steel panels.....	4
5.3.4 Roller mechanically or hand operated.....	4
5.3.5 Light hand roller.....	4
5.4 Test samples and test pieces.....	4
5.5 Procedure.....	5
5.5.1 Standard test conditions.....	5
5.5.2 Preparation of the panel.....	5
5.5.3 Peel adhesion.....	5
5.6 Expression of results.....	6
5.7 Test report.....	6
<b>6 Method 2 — Self adhesive tapes — Measurement of peel adhesion from its own backing at an angle of 180°</b> .....	<b>6</b>
6.1 Principle.....	6
6.2 Apparatus.....	7
6.2.1 Test piece cutter.....	7
6.2.2 Tensile testing machine.....	7
6.2.3 Suitable panels.....	7
6.2.4 Roller mechanically or hand operated.....	7
6.3 Test samples and test pieces.....	7
6.4 Procedure.....	7
6.4.1 Standard test conditions.....	7
6.4.2 Preparation.....	7
6.5 Expression of results.....	7
6.6 Test report.....	7
<b>7 Method 3 — Self adhesive tapes — Measurement of peel adhesion of double-sided and transfer tapes at an angle of 180°</b> .....	<b>8</b>
7.1 Principle.....	8
7.2 Materials.....	8
7.3 Apparatus.....	8
7.4 Test samples and test pieces.....	8
7.5 Procedure.....	8
7.5.1 Standard test conditions.....	8
7.5.2 Preparation of the panel.....	8
7.5.3 Procedure for open side of double-sided or adhesive transfer tape.....	8
7.5.4 Procedure for closed side of double-sided or adhesive transfer tape.....	9
7.6 Expression of results.....	9
7.7 Test report.....	9
<b>8 Method 4 — Self adhesive tapes — Measurement of adhesion of the liner to an adhesive tape at an angle of 180°</b> .....	<b>9</b>
8.1 Principle.....	9

8.1.1	Double-sided adhesive tapes.....	9
8.1.2	Single sided adhesive tapes .....	9
8.2	Materials .....	9
8.3	Apparatus.....	9
8.4	Test samples and test pieces .....	9
8.5	Procedure.....	10
8.5.1	Double-sided tapes.....	10
8.5.2	Single sided tape.....	10
8.6	Expression of results.....	10
8.7	Test report.....	10
<b>Annex A (normative) Self adhesive tapes — Measurement of peel adhesion from a surface at low temperature</b> .....		<b>11</b>
<b>Annex B (normative) Self adhesive tapes — Measurement of peel adhesion from a surface at an angle of 90°</b> .....		<b>12</b>
<b>Bibliography</b> .....		<b>14</b>

## 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](http://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 193, *Adhesives*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 29862:2018), which has been technically revised.

The main changes are as follows:

- the normative references in [Clause 2](#) have been updated;
- definitions have been added in [Clause 3](#) for “test piece”, “test sample”, “backing” and “carrier”;
- [Clause 4](#) has been modified to improve clarity and precision;
- the list of solvents in [5.2.2](#) has been revised;
- the description of the cutting device in [5.3.1](#) has been amended;
- the description of the procedure for preparing the peel test specimens has been revised, taking into account occupational safety and practicability;
- the light hand roller was added in [5.3.5](#);
- conditioning time of 16 h was added in [5.4.1](#);
- inconsistencies have been removed in [Clause 8](#);
- the text has been editorially revised to comply with the most recent principles and rules for the structure and drafting.

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](http://www.iso.org/members.html).

# 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 specifies:

- 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°.

## 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*

EN 10088-2, *Stainless steels — Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12481 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

### 3.1

#### **peel adhesion**

force required to peel a strip of adhesive tape from a specified substrate at a specified angle and speed

### 3.2

#### **open side**

<adhesive> surface of the adhesive on a double-sided adhesive tape which is exposed on normal unwinding or separation of the first liner

[SOURCE: EN 12481:2000, 2.1.2.21]