



**SLOVENSKI STANDARD**  
**oSIST prEN ISO 29862:2024**  
**01-junij-2024**

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**Samolepilni trakovi - Določevanje lastnosti prilepljivosti (ISO/DIS 29862:2024)**

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

Klebebänder - Bestimmung der Klebkraft (ISO/DIS 29862:2024)

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

**Ta slovenski standard je istoveten z: prEN ISO 29862**

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83.180      Lepila      Adhesives

**oSIST prEN ISO 29862:2024**

**en,fr,de**





# DRAFT International Standard

## ISO/DIS 29862

### Self adhesive tapes — Determination of peel adhesion properties

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

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CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
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## ISO/DIS 29862:2024(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 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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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For an explanation on the voluntary nature of standards, the meaning of ISO-specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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°	—	<a href="#">Annex A</a>
	90°	<a href="#">Annex B</a>	-
Method 2 Adhesion to backing	180°	—	<a href="#">Annex A</a>
	90°	<a href="#">Annex B</a>	—
Method 3 Adhesion of double sided and transfer tape	180°	—	<a href="#">Annex A</a>
	90°	<a href="#">Annex B</a>	—
Method 4 Adhesion of liner	180°	—	<a href="#">Annex A</a>
	90°	<a href="#">Annex B</a>	-
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.			

## 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/DIS 29862:2024(en)

EN 12481, *Self adhesive tapes — Terminology*

### 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:

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

#### 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 tape which is exposed on normal unwinding or separation of the first liner

#### 3.3

##### **closed side**

<adhesive> surface of the adhesive on a double sided tape which normally remains in contact with the release liner on normal unwinding or separation of the first liner

#### 3.4

##### **transfer tape**

adhesive tape having two available pressure sensitive surfaces without the need for a carrier and with a release liner separating the adhesive surfaces. The adhesive may contain reinforcing material

#### 3.5

##### **self adhesive tape**

pressure sensitive adhesive adhesive which in a dry state is permanently tacky at room temperature and adheres readily to surfaces under brief and light pressure

#### 3.6

##### **liner**

treated sheet to cover the adhesive temporarily to facilitate handling or unrolling

#### 3.7

##### **double sided adhesive tape**

tape where adhesive is applied to both sides of the carrier

#### 3.8

##### **test piece**

strip of adhesive tape as used for the peel test

#### 3.9

##### **test sample**

sample of an adhesive tape, e.g. a roll or a sheet from which the test piece is made

#### 3.10

##### **backing**

the flexible supporting film, fabric, non-woven, foil or paper to which an adhesive is applied

#### 3.11

##### **carrier**

the flexible material, film, fabric, non-woven, foil or paper to which adhesive is applied, to both faces, to produce a double sided tape