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Self adhesive tapes - Measurement of breaking strength and elongation at break (ISO 29864:2018)

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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English Version

**Self adhesive tapes - Measurement of breaking strength
and elongation at break (ISO 29864:2018)**

Rubans auto-adhésifs - Mesure de la résistance à la
rupture et de l'allongement à la rupture (ISO
29864:2018)

Klebebänder - Messung der Bruchkraft und der
Reißdehnung (ISO 29864:2018)

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EN ISO 29864:2019 (E)

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European foreword

The text of ISO 29864:2018 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 29864:2019 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of an identical text or by endorsement, at the latest by December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

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Endorsement notice

The text of ISO 29864:2018 has been approved by CEN as EN ISO 29864:2019 without any modification.

INTERNATIONAL STANDARD

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Second edition
2018-05

Self adhesive tapes — Measurement of breaking strength and elongation at break

*Rubans auto-adhésifs — Mesure de la résistance à la rupture et de
l'allongement à la rupture*



Reference number
ISO 29864:2018(E)

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ISO 29864:2018(E)**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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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.

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 29864:2007) of which it constitutes a minor revision.

The changes compared to the previous edition are as follows:

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

Introduction

The breaking strength of adhesive tape is of value as an indication of its uniformity and quality, and its ability to withstand stresses during application and use.

The elongation at break of the adhesive tape is of value as an indication of its uniformity and quality as well as a rough indication of its ability to conform to curved and irregular surfaces. It is usually determined at the same time as the breaking strength.

The procedure specified in this document combines the determination of breaking strength and elongation at break.

Method A is the measurement of breaking strength and elongation at break of tapes other than filament tapes.

Method B is the measurement of breaking strength and elongation at break of filament reinforced tapes.

Self adhesive tapes — Measurement of breaking strength and elongation at break

1 Scope

This document specifies methods to measure the breaking strength and elongation at break of a self adhesive tape when it is subjected to a tensile force sufficient to cause it to break.

These test methods describe a procedure for testing 12 mm or 24 mm wide samples cut from supplied rolls of self adhesive tapes. Alternatively rolls of self adhesive tape up to 50 mm wide can be directly tested in their original width. In these circumstances the practical breaking strength and elongation will be typical of the manufacturer's cut edges. When newly cut sample pieces are tested, because of the better cutting of the edges, the results can be higher than would be found on commercial tape.

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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