ICS 83.180 SLOVENSKÁ TECHNICKÁ NORMA Január 2020

| STN | **Samolepiace pásky<br>Meranie odolnosti proti šmyku pri statickom zaťažení (ISO 29863: 2018)** | **STN<br>EN ISO 29863<br><br>77 0874** |
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Self adhesive tapes - Measurement of static shear adhesion (ISO 29863:2018)

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

Obsahuje: EN ISO 29863:2019, ISO 29863:2018

Oznámením tejto normy sa ruší
STN EN 1943 (77 0874) z novembra 2003

**129946**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN ISO 29863

June 2019

ICS 83.180

Supersedes EN 1943:2002

English Version

# Self adhesive tapes - Measurement of static shear adhesion (ISO 29863:2018)

Rubans auto-adhésifs - Mesurage de la résistance au cisaillement statique (ISO 29863:2018)

Klebebänder - Messung des Scherwiderstandes unter statischer Belastung (ISO 29863:2018)

This European Standard was approved by CEN on 8 April 2019.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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



Ref. No. EN ISO 29863:2019 E

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## European foreword

The text of ISO 29863:2018 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 29863:2019 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of an identical text or by endorsement, at the latest by December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

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.

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## Endorsement notice

The text of ISO 29863:2018 has been approved by CEN as EN ISO 29863:2019 without any modification.

INTERNATIONAL STANDARD

**ISO 29863**

Second edition
2018-05

# Self adhesive tapes — Measurement of static shear adhesion

*Rubans auto-adhésifs — Mesurage de la résistance au cisaillement statique*

Reference number
ISO 29863:2018(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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 29863:2007) of which it constitutes a minor revision.

The changes compared to the previous edition are as follows:

— the Introduction has been revised to remove outdated information;

— the normative references in Clause 2 have been updated;

— the definition of “shear adhesion” has been revised and a definition has been added for “self adhesive tape” in Clause 3;

— a Bibliography has been added;

— the text has been editorially revised to comply with the most recent editing rules.

# Introduction

This document has been prepared in conjunction with AFERA (International Association for the Self Adhesive Tape Industry) in Europe and PSTC (Pressure Sensitive Tape Council) in USA.

**INTERNATIONAL STANDARD** **ISO 29863:2018(E)**

# Self adhesive tapes — Measurement of static shear adhesion

## 1 Scope

This document specifies a series of methods for the determination of the ability of a pressure sensitive tape to remain adhered under a constant load applied parallel to the surfaces of the tape and substrate.

This document contains:

— method A: Self adhesive tapes – Measurement of shear adhesion to a vertical standard steel panel;

— method B: Self adhesive tapes – Measurement of shear adhesion to a vertical panel covered with NIST SRM 1810A[1)] standard fibreboard;

— method C: Self adhesive tapes – Measurement of shear adhesion to a vertical panel covered with a fibreboard agreed upon by the buyer and seller;

— method D: Self adhesive tapes – Measurement of shear adhesion of filament reinforced tape applied to a horizontal standard steel panel;

— method E: Self adhesive tapes – Measurement of shear adhesion of filament reinforced tape applied to a horizontal panel covered with NIST SRM 1810A[1)] standard fibreboard;

— method F: Self adhesive tapes – Measurement of shear adhesion of filament reinforced tape applied to a horizontal panel covered with a fibreboard agreed upon by the buyer and seller;

— method G: Self adhesive tapes – Measurement of shear adhesion to a vertical standard steel panel at elevated temperature after a 10 min dwell time.

## 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*



1) NIST SRM 1810A is National Institute of Standards and Technology – Standard Reference Material 1810A and is available from the Institute at Gaithersburg, Maryland MD 20899, USA.