

This is a preview of "ISO 29864:2018". [Click here to purchase the full version from the ANSI store.](#)

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)

© ISO 2018

This is a preview of "ISO 29864:2018". [Click here to purchase the full version from the ANSI store.](#)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

This is a preview of "ISO 29864:2018". [Click here to purchase the full version from the ANSI store.](#)

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Significance and use	1
5 Principle	2
6 Apparatus	2
6.1 Tensile testing machine.....	2
6.2 Clamps.....	2
6.3 Cylinders.....	2
6.4 Scale.....	3
6.5 Cutting tool.....	3
7 Test sample and test pieces	3
8 Procedure	3
8.1 Testing conditions.....	3
8.2 Preparation of test pieces.....	4
8.3 Method A for non-filament tapes.....	4
8.4 Method B for filament tapes.....	4
9 Expression of results	4
9.1 Expression of results for non-filament tapes.....	4
9.2 Expression of results for filament tapes.....	5
10 Test report	5

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).

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).

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 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.

This is a preview of "ISO 29864:2018". [Click here to purchase the full version from the ANSI store.](#)

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.