



SLOVENSKI STANDARD
oSIST prEN ISO 5978:2022
01-september-2022

Gumirane ali plastificirane tekstilije - Ugotavljanje odpornosti proti zlepljenju in luščenju (ISO/DIS 5978:2022)

Rubber or plastics-coated fabrics - Determination of blocking resistance (ISO/DIS 5978:2022)

Mit Kautschuk oder Kunststoff beschichtete Textilien – Bestimmung des Blockwiderstandes (ISO/DIS 5978:2022)

Supports textiles revêtus de caoutchouc ou de plastique - Détermination de la résistance au blocage (ISO/DIS 5978:2022)

Ta slovenski standard je istoveten z: prEN ISO 5978

ICS:

59.080.40	Površinsko prevlečene tekstilije	Coated fabrics
-----------	----------------------------------	----------------

oSIST prEN ISO 5978:2022

en,fr,de

DRAFT INTERNATIONAL STANDARD

ISO/DIS 5978

ISO/TC 45/SC 4

Secretariat: DSM

Voting begins on:
2022-06-14Voting terminates on:
2022-09-06

Rubber or plastics-coated fabrics — Determination of blocking resistance

ICS: 59.080.40

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[oSIST prEN ISO 5978:2022](https://standards.iteh.ai/catalog/standards/sist/1cbbb67c-cf1d-40b8-a278-15967768cd05/osist-pren-iso-5978-2022)

<https://standards.iteh.ai/catalog/standards/sist/1cbbb67c-cf1d-40b8-a278-15967768cd05/osist-pren-iso-5978-2022>

This document is circulated as received from the committee secretariat.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

ISO/CEN PARALLEL PROCESSING



Reference number
ISO/DIS 5978:2022(E)

© ISO 2022

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN ISO 5978:2022](https://standards.iteh.ai/catalog/standards/sist/1cbbb67c-cf1d-40b8-a278-15967768cd05/osist-pren-iso-5978-2022)

<https://standards.iteh.ai/catalog/standards/sist/1cbbb67c-cf1d-40b8-a278-15967768cd05/osist-pren-iso-5978-2022>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

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
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Test equipment.....	1
4.1 Lower glass plate.....	1
4.2 Upper glass plate.....	1
4.3 Strips of filter paper.....	2
4.4 Weight-piece.....	2
4.5 Circulating-air oven.....	2
5 Time between manufacture and testing.....	2
6 Samples and test pieces.....	2
7 Conditioning of test pieces.....	3
8 Procedure.....	3
9 Test report.....	3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[oSIST prEN ISO 5978:2022](https://standards.iteh.ai/catalog/standards/sist/1cbbb67c-cf1d-40b8-a278-15967768cd05/osist-pren-iso-5978-2022)

<https://standards.iteh.ai/catalog/standards/sist/1cbbb67c-cf1d-40b8-a278-15967768cd05/osist-pren-iso-5978-2022>

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 electro technical 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 of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*.

This second edition cancels and replaces the first edition (ISO 5978:1990), which has been technically revised.

The main changes compared to the previous edition are as follows:

- adoption of [clause 3](#) to the actual ISO specific terms
- new specification of test equipment ([clause 4](#)); addition of strips of filter paper
- addition of tolerances to the dimensions of test pieces ([clause 6](#))
- clarification of conditioning of test pieces ([clause 7](#))
- temperature of (70 ± 2) °C and duration 3 h as standard test conditions, others are also allowed

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.

Introduction

Blocking tests at elevated temperatures are designed to estimate the relative resistance of rubber- or plastics-coated fabrics to blocking. For this purpose, the coated fabric is subjected to a specified load over a defined area at a specific temperature.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[oSIST prEN ISO 5978:2022](https://standards.iteh.ai/catalog/standards/sist/1cbbb67c-cf1d-40b8-a278-15967768cd05/osist-pren-iso-5978-2022)

<https://standards.iteh.ai/catalog/standards/sist/1cbbb67c-cf1d-40b8-a278-15967768cd05/osist-pren-iso-5978-2022>

Rubber or plastics-coated fabrics — Determination of blocking resistance

WARNING — Persons using this document should be familiar with normal laboratory practices. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory conditions.

1 Scope

This document specifies a method for the determination of the resistance of rubber- or plastics-coated fabrics to blocking.

The method specified is acceptable in most cases. If it is desired to use conditions other than those specified, these may be mutually agreed between the contracting parties but such variations shall be stated in the test report.

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 2231:1989, *Rubber- or plastics-coated fabrics — Standard atmospheres for conditioning and testing*

3 Terms and definitions

For the purposes of this document, the following terms and definitions 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 <http://www.electropedia.org/>.

3.1

Blocking

unintentional adherence between sheet materials

4 Test equipment

4.1 Lower glass plate

Measuring minimum 153 mm x 153 mm and approximately 3 mm thick.

NOTE In order to facilitate the handling of the test assemblies (e.g. to/from the oven), it can be suitable to use a lower glass plate with larger dimensions than the test specimens.

4.2 Upper glass plate

Measuring $(155 + 2/-2)$ mm x $(155 + 2/-2)$ mm and approximately 3 mm thick.

ISO/DIS 5978:2022(E)

The dimensions of the glass plates (4.1 and 4.2)) must not be smaller than the dimensions of the test specimens (6).

4.3 Strips of filter paper

Measuring $(150 + 2/-2)$ mm x $(150 + 2/-2)$ mm

The filter paper is to be used as interlayer between each glass plate and test specimen in order to prevent any sticking of the test specimens, especially their coated side, on the glass plates.

The dimensions of the strips of filter paper must not be smaller than the dimensions of the glass plates (4.1 and 4.2)) and the test specimens (6).

4.4 Weight-piece

Of mass $(5,0 \pm 0,1)$ kg.

If the dimensions of the test specimens deviate from standard size (6), the weight piece shall be selected so that a nominal pressure of (2.18 ± 0.02) kPa is exerted on the sample.

4.5 Circulating-air oven

Capable of being maintained at (70 ± 2) °C or other specified temperature and of such a size that the total volume of the test assemblies does not exceed 10 % of the free space in the oven.

Provision shall be made for placing the test assemblies on shelves, so they are not less than 50 mm from each other or from the sides of the oven.

Provision shall be made for circulation of air through the oven at a rate such as to provide a minimum of six air changes per hour.

5 Time between manufacture and testing

For all purposes, the minimum time between manufacture and testing shall be 16 h.

For non-product tests, the maximum time between manufacture and testing shall be four weeks, and for evaluations intended to be comparable, the tests, as far as possible, shall be carried out after the same time interval.

For product tests, whenever possible, the time between manufacture and testing shall not exceed three months. In other cases, tests shall be made within two months of the date of receipt by the customer.

6 Samples and test pieces

Samples shall be taken at least 100 mm from the edge and not less than 1 m from the end of the roll.

The sample to be tested shall consist of six test specimens, each (150 ± 2) mm x (150 ± 2) mm.

Test specimens shall be representative of the material being tested. They shall be taken from the working width of the sample. They shall be cut with one edge parallel to the longitudinal axis of the sample.

The longitudinal and lateral axes shall be marked on the test pieces.