



# SLOVENSKI STANDARD SIST EN ISO 6179:2001

01-februar-2001

; i a ]fUbcžj i ` \_Ub]n]fUbc`U]`hfa cd`Ugh] bc`!'; i a ]fUbY`dcj fy]bY]b[ i a ]fUbY  
hY\_gh]`Y`!`I [ cHj] `Ub`Y`dfYdi ý Ub`U\ ]frc` \ `Ud`^j ] \ `hY\_c ]b`f[ fUj ]a Yff]`g\_UhM b]\_U  
fIGC`\*`%+` .%` - , Ł

Rubber, vulcanized or thermoplastic - Rubber sheets and rubber-coated fabrics - Determination of transmission rate of volatile liquids (gravimetric technique) (ISO 6179:1998)

**iTeh STANDARD PREVIEW**

Elastomere oder thermoplastische Elastomere - Elastomerfolien und elastomerbeschichtete Gewebe - Bestimmung der Durchlässigkeitsrate von flüchtigen Flüssigkeiten (gravimetrisches Verfahren) (ISO 6179:1998)

<https://standards.iteh.ai/catalog/standards/sist/82a0551c-d81b-44ce-b4b8-94f6121a598c/sist-en-iso-6179-2001>

Caoutchouc vulcanisé ou thermoplastique - Feuilles de caoutchouc et supports textiles revetus de caoutchouc - Détermination du taux de transmission des liquides volatils (technique gravimétrique) (ISO 6179:1998)

**Ta slovenski standard je istoveten z: EN ISO 6179:2000**

**ICS:**

- 59.080.40 Ú[ çizã • \ [ Á | ^ç| ^ ^ } ^ Coated fabrics
- 83.140.10 Filmi in folije Films and sheets

**SIST EN ISO 6179:2001 en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 6179:2001

<https://standards.iteh.ai/catalog/standards/sist/82a0551c-d81b-44ce-b4b8-94f6121a598c/sist-en-iso-6179-2001>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 6179

October 2000

ICS 59.080.40; 83.140.10

English version

Rubber, vulcanized or thermoplastic - Rubber sheets and  
rubber-coated fabrics - Determination of transmission rate of  
volatile liquids (gravimetric technique) (ISO 6179:1998)

Caoutchouc vulcanisé ou thermoplastique - Feuilles de  
caoutchouc et supports textiles revêtus de caoutchouc -  
Détermination du taux de transmission des liquides volatils  
(technique gravimétrique) (ISO 6179:1998)

Elastomere oder thermoplastische Elastomere -  
Elastomerfolien und elastomer-beschichtete Gewebe -  
Bestimmung der Durchlässigkeitsrate von flüchtigen  
Flüssigkeiten (gravimetrisches Verfahren) (ISO 6179:1998)

This European Standard was approved by CEN on 4 October 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

**Foreword**

The text of the International Standard from Technical Committee ISO/TC 45 "Rubber and rubber products" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

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 April 2001, and conflicting national standards shall be withdrawn at the latest by April 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

**Endorsement notice**

The text of the International Standard ISO 6179:1998 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

**STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 6179:2001

<https://standards.iteh.ai/catalog/standards/sist/82a0551c-d81b-44ce-b4b8-94f6121a598c/sist-en-iso-6179-2001>



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**Annex ZA (normative)**  
**Normative references to international publications**  
**with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                                                               | <u>EN</u>     | <u>Year</u> |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| ISO 2231           | 1989        | Rubber- or plastics-coated fabrics - Standard atmospheres for conditioning and testing                                     | EN ISO 2231   | 1995        |
| ISO 2286-3         | 1998        | Rubber- or plastics-coated fabrics - Determination of roll characteristics - Part 3: Method for determination of thickness | EN ISO 2286-3 | 1998        |

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 6179:2001](#)

<https://standards.iteh.ai/catalog/standards/sist/82a0551c-d81b-44ce-b4b8-94f6121a598c/sist-en-iso-6179-2001>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 6179:2001

<https://standards.iteh.ai/catalog/standards/sist/82a0551c-d81b-44ce-b4b8-94f6121a598c/sist-en-iso-6179-2001>

# INTERNATIONAL STANDARD

**ISO  
6179**

Third edition  
1998-04-01

---

---

## **Rubber, vulcanized or thermoplastic — Rubber sheets and rubber-coated fabrics — Determination of transmission rate of volatile liquids (gravimetric technique)**

*Caoutchouc vulcanisé ou thermoplastique — Feuilles de caoutchouc et supports textiles revêtus de caoutchouc — Détermination du taux de transmission des liquides volatils (technique gravimétrique)*

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

SIST EN ISO 6179:2001

<https://standards.iteh.ai/catalog/standards/sist/82a0551c-d81b-44ce-b4b8-94f6121a598c/sist-en-iso-6179-2001>



Reference number  
ISO 6179:1998(E)

**ISO 6179:1998(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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 6179 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 2, *Physical and degradation tests*.

This third edition cancels and replaces the second edition (ISO 6179:1989), which has been technically revised.

iTeh STANDARD PREVIEW

(Standard) (en, en)

[SIST EN ISO 6179:2001](#)[https://www.iso.org/standard/6179.html](#) d81b-44ce-b4b8-94f6121a598c/sist-en-iso-6179-2001

© ISO 1998

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization  
Case postale 56 • CH-1211 Genève 20 • Switzerland  
Internet central@iso.ch  
X.400 c=ch; a=400net; p=iso; o=isocs; s=central

Printed in Switzerland



## Rubber, vulcanized or thermoplastic – Rubber sheets and rubber-coated fabrics – Determination of transmission rate of volatile liquids (gravimetric technique)

**WARNING** – Persons using this International Standard should be familiar with normal laboratory practice. This standard 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 national regulatory conditions.

### 1 Scope

This International Standard specifies two methods for determining, by measurement of the transmission rate, the permeability of rubber to volatile liquids diffusing into open air.

It is applicable only to materials in sheet form and to coated fabrics, having thicknesses of between 0,2 mm and 3,0 mm.

It is restricted to transmission rates of more than 0,1 g/m<sup>2</sup>·h.

The methods are particularly useful for comparing the relative transmission rates of one liquid through different materials, or of several liquids through one material.

Method A, with refilling, is used when testing mixtures of liquids which give different transmission rates.

Method B, with no refilling, is used for a single-component liquid.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 188:1998, *Rubber, vulcanized or thermoplastic – Accelerated ageing and heat resistance tests.*

ISO 471:1995, *Rubber – Temperatures, humidities and times for conditioning and testing.*

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

ISO 2286-3:1998, *Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 3: Method for determination of thickness.*

ISO 3310-1:1990, *Test sieves – Technical requirements and testing – Part 1: Test sieves of metal wire cloth.*

ISO 4648:1991, *Rubber, vulcanized or thermoplastic – Determination of dimensions of test pieces and products for test purposes.*