



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 22751:2020&LC:2020

# Rubber or plastic coated fabrics - Physical and mechanical test - Determination of bending force (ISO 22751:2020)

**I.S. EN ISO 22751:2020&LC:2020**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN ISO 22751:2020&LC:2020 is the adopted Irish version of the European Document EN ISO 22751:2020, Rubber or plastic coated fabrics - Physical and mechanical test - Determination of bending force (ISO 22751:2020)

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## Correction Notice

**Reference:** EN ISO 22751:2020

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**Please include the following minor editorial correction(s) in the document related to:**

the following language version(s) :

- English
- French
- German

for the following procedure :

- PQ/UQ
- Enquiry
- 2nd Enquiry
- Parallel Enquiry
- 2<sup>nd</sup> Parallel Enquiry
- Formal Vote
- 2<sup>nd</sup> Formal Vote
- Parallel Formal Vote
- 2<sup>nd</sup> Parallel Formal Vote
- UAP
- TC Approval
- 2<sup>nd</sup> TC Approval
- Publication
- Parallel Publication

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It has been brought to our attention that this document, issued on 2020-09-23, requires modification.

Incorrect ISO TC reference in the foreword

Please find enclosed the updated English and French version.

We apologise for any inconvenience this may cause.

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EUROPEAN STANDARD

**EN ISO 22751**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2020

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ICS 59.080.40

English Version

## Rubber or plastic coated fabrics - Physical and mechanical test - Determination of bending force (ISO 22751:2020)

Supports textiles revêtus de caoutchouc ou de plastique - Essai physique et mécanique - Détermination de la force de flexion (ISO 22751:2020)

Mit Kautschuk oder Kunststoff beschichtete Textilien - Physikalische und mechanische Prüfung - Bestimmung der Biegeeigenschaften (ISO 22751:2020)

This European Standard was approved by CEN on 22 August 2020.

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**EN ISO 22751:2020 (E)**

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## **European foreword**

This document (EN ISO 22751:2020) has been prepared by Technical Committee ISO/TC 45 "Rubber and rubber products" in collaboration with 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 March 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.

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 22751:2020 has been approved by CEN as EN ISO 22751:2020 without any modification.

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# INTERNATIONAL STANDARD

# ISO 22751

First edition  
2020-08

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## **Rubber- or plastic-coated fabrics — Physical and mechanical test — Determination of bending force**

*Supports textiles revêtus de caoutchouc ou de plastique — Essai  
physique et mécanique — Détermination de la force de flexion*



Reference number  
ISO 22751:2020(E)

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## ISO 22751:2020(E)



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## ISO 22751:2020(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](http://www.iso.org/directives)).

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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](http://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)*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 248, *Textiles and textile products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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](http://www.iso.org/members.html).

# Rubber- or plastic-coated fabrics — Physical and mechanical test — Determination of bending force

## 1 Scope

This document specifies a test method for the determination of the bending force of rubber or plastics-coated fabrics.

## 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*

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

ISO 7500-1, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system*

## 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

#### **bending force**

force exerted by the specimen on the measuring bar at a specified *bending angle* (3.2), *bending length* (3.3) and *bending rate* (3.4)

### 3.2

#### **bending angle**

angle at which the *bending force* (3.1) is measured

### 3.3

#### **bending length**

length around which the specimen is bent

Note 1 to entry: The bending length is the distance between the clamping device of the specimen and the bar onto which the force of the specimen is transferred.

### 3.4

#### **bending rate**

rate of bending of the specimen

### 3.5

#### **compression-bending**

compression of the coating layer during bending

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