



SLOVENSKI STANDARD SIST EN ISO 5079:2021

01-januar-2021

Nadomešča:
SIST EN ISO 5079:1999

Tekstilna vlakna - Ugotavljanje pretržne sile in pretržnega raztezka posameznih vlaken (ISO 5079:2020)

Textile fibres - Determination of breaking force and elongation at break of individual fibres (ISO 5079:2020)

Textilfasern - Bestimmung der Höchstzugkraft und Höchstzugkraftdehnung an Spinnfasern (ISO 5079:2020)

Fibres textiles - Détermination de la force de rupture et de l'allongement de rupture des fibres individuelles (ISO 5079:2020)

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Ta slovenski standard je istoveten z: EN ISO 5079:2020

ICS:

59.060.01 Tekstilna vlakna na splošno Textile fibres in general

SIST EN ISO 5079:2021

en,fr,de

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EUROPEAN STANDARD

EN ISO 5079

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2020

ICS 59.060.01

Supersedes EN ISO 5079:1995

English Version

Textile fibres - Determination of breaking force and elongation at break of individual fibres (ISO 5079:2020)

Fibres textiles - Détermination de la force de rupture et de l'allongement de rupture des fibres individuelles (ISO 5079:2020)

Textilfasern - Bestimmung der Höchstzugkraft und Höchstzugkraftdehnung an Spinnfasern (ISO 5079:2020)

This European Standard was approved by CEN on 2 October 2020.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 5079:2020) has been prepared by Technical Committee ISO/TC 38 "Textiles" 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of an identical text or by endorsement, at the latest by April 2021, and conflicting national standards shall be withdrawn at the latest by April 2021.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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The text of ISO 5079:2020 has been approved by CEN as EN ISO 5079:2020 without any modification.

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INTERNATIONAL
STANDARD

ISO
5079

Third edition
2020-10

**Textile fibres — Determination of
breaking force and elongation at
break of individual fibres**

*Fibres textiles — Détermination de la force de rupture et de
l'allongement de rupture des fibres individuelles*

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ISO 5079:2020(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).

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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.

This document was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 23, *Fibres and yarns*, 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).

This third edition cancels and replaces the second edition (ISO 5079:1995), which has been technically revised. The main changes compared to the previous edition are as follows:

- addition of “ISO 3696”, “ISO 7500-1” and “ISO 10012” as normative references;
- adjustment of “ISO 3060” and “IWTO 32” from normative references to bibliography;
- revision of the definitions of “breaking force” (3.1), “force at rupture” (3.2), “extension” (3.3), “elongation at break” (3.5), “elongation at rupture” (3.6) “gauge length” (3.7), “initial length” (3.8), “pretension” (3.9) and “breaking density” (3.11);
- deletion of terminological entry for “tension” (former 3.10);
- addition of terminological entry for “constant-rate-of-extension testing machine” (3.10);
- addition of a note in [Clause 4](#);
- redrafting of text describing the requirements for CRE testing machine in [5.1](#);
- addition of “Tweezers” (5.2);
- revision of requirements for wetting solution in [5.3](#) (former 5.2);
- addition of details about preparation of test specimen in [Clause 7](#);
- addition of [8.2 c](#));
- redrafting of the test procedure of wet test in [8.8](#) (former 8.6);

- redrafting of the test report in [Clause 10](#);
- addition of [Figure A.1](#);
- addition of [Annex B](#).

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.

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