



SLOVENSKI STANDARD SIST EN ISO 21765:2021

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Tekstilije - Ugotavljanje deformabilnosti tkanine s prisilnim mehanskim raztezanjem (ISO 21765:2020)

Textiles - Determination of fabric deformability by forced mechanical distension (ISO 21765:2020)

Textilien - Automatische Bestimmung der Deformierbarkeit an Webstoffen und Gelegen (ISO 21765:2020)

Textiles - Détermination de la déformabilité des étoffes par distension forcée mécaniquement (ISO 21765:2020)

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Ta slovenski standard je istoveten z: EN ISO 21765:2021

ICS:

59.060.01 Tekstilna vlakna na splošno Textile fibres in general

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en,fr,de

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EUROPEAN STANDARD

EN ISO 21765

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2021

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Textiles - Determination of fabric deformability by forced mechanical distension (ISO 21765:2020)

Textiles - Détermination de la déformabilité des étoffes
par distension forcée mécaniquement (ISO
21765:2020)

Textilien - Automatische Bestimmung der
Deformierbarkeit an Webstoffen und Gelegen (ISO
21765:2020)

This European Standard was approved by CEN on 7 December 2020.

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European foreword

This document (EN ISO 21765:2021) 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of an identical text or by endorsement, at the latest by July 2021, and conflicting national standards shall be withdrawn at the latest by July 2021.

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INTERNATIONAL
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First edition
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**Textiles — Determination of fabric
deformability by forced mechanical
distension**

*Textiles — Détermination de la déformabilité des étoffes par
distension forcée mécaniquement*

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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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This document was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 24, *Conditioning atmospheres and physical tests for textile fabrics*, 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.

ISO 21765:2020(E)**Introduction**

The determination of the deformation characteristics is relevant for all production processes in which flat textile fabrics (including reinforcement textiles) are formed into a three-dimensional shape. This example is the case for upholstery applications or the majority of current liquid composite molding (LCM) processes. Knowledge about the development of deformation effects such as changes in fibre orientation, undulation, and gaps in the textile is crucial for the safe design of processes and components.

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