



BSI Standards Publication

Nonwovens – Vocabulary (ISO 9092:2019)

National foreword

This British Standard is the UK implementation of EN ISO 9092:2019. It supersedes BS EN ISO 9092:2011, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee TCI/100, Co-ordination of activities in textiles and clothing.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2019

ISBN 978 0 580 94740 7

ICS 01.040.59; 59.080.30

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2019.

Amendments/corrigenda issued since publication

Date	Text affected
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EUROPEAN STANDARD

EN ISO 9092

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2019

ICS 01.040.59; 59.080.30

Supersedes EN ISO 9092:2011

English Version

Nonwovens - Vocabulary (ISO 9092:2019)

Nontissés - Vocabulaire (ISO 9092:2019)

Vliesstoffe - Wörterbuch (ISO 9092:2019)

This European Standard was approved by CEN on 21 March 2019.

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European foreword

This document (EN ISO 9092:2019) 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of an identical text or by endorsement, at the latest by October 2019, and conflicting national standards shall be withdrawn at the latest by October 2019.

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.

This document supersedes EN ISO 9092:2011.

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Endorsement notice

The text of ISO 9092:2019 has been approved by CEN as EN ISO 9092:2019 without any modification.

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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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For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 38, *Textiles*.

This third edition cancels and replaces the second edition (ISO 9092:2011), which has been technically revised. The main changes compared to the previous edition are as follows:

- the scope has been expanded to cover auxiliary terminology to distinguish nonwovens from other materials.

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.

Nonwovens — Vocabulary

1 Scope

This document establishes a definition for the term nonwovens and provides auxiliary terminology to distinguish nonwovens from other materials.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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 General

3.1.1

nonwoven

engineered (3.1.2) fibrous assembly, primarily planar, which has been given a designed level of structural integrity by physical and/or chemical means, excluding weaving, knitting or papermaking

3.1.2

engineered

anything that benefited from an application of science to design, plan and manufacture products to utility specifications

3.1.3

fibrous assembly

predetermined amount and arrangement of natural or manufactured fibrous material such as, but not limited to fibres, continuous filaments, or chopped yarns of any length or cross-section

Note 1 to entry: It can be a two- or three-dimensional alignment of fibrous materials made by a web forming process.

3.1.4

structural integrity

measurable level of added tensile strength

3.1.5

physical and/or chemical means

bonding technologies that result in frictional forces between fibres (through entanglement) or adhesive forces between fibres (with or without the use of binders)