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## Nonwovens — Vocabulary

*Nontissés — Vocabulaire*



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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](http://www.iso.org/directives)).

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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](http://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)