INTERNATIONAL STANDARD

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Second edition 2023-06

Nonwovens — Test methods —

Part 1:

Determination of mass per unit area

Nontissés — Méthodes d'essai —

Partie 1: Détermination de la masse surfacique





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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 document 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*, 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 second edition cancels and replaces the first edition (ISO 9073-1:1989), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the title has been changed from "Textiles Test methods for nonwovens Part 1: Determination of mass per unit area" to "Nonwovens Test methods Part 1: Determination of mass per unit area";
- the mandatory Terms and definitions clause (<u>Clause 3</u>) has been added and subsequent clauses have been renumbered;
- the text has been reviewed and improved.

A list of all parts in the ISO 9073 series can be found on the ISO website.

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 — Test methods —

Part 1:

Determination of mass per unit area

SAFETY WARNING — This document does not claim to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. It is expected that the person performing this test has been fully trained in all aspects of this procedure.

1 Scope

This document specifies a method for the determination of the mass per unit area of nonwoven 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 139, Textiles — Standard atmospheres for conditioning and testing

ISO 186, Paper and board — Sampling to determine average quality

ISO 9092, Nonwovens — Vocabulary

ISO 11224, Textiles — Web formation and bonding in nonwovens — Vocabulary

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 9092, ISO 11224 and the following 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 https://www.electropedia.org/

3.1

sample

product or portion of a product taken from a production lot for testing purposes, identifiable and traceable back to the origin

3.2

test specimen

specific portion of the identified *sample* (3.1) upon which a test is performed, many specimens sometimes being tested from the same sample, using different locations