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Textiles - Environmental aspects - Vocabulary (ISO 5157:2023)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 01.040.13, 01.040.59, 13.020, 59.020

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EUROPEAN STANDARD

EN ISO 5157

NORME EUROPÉENNE

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English Version

Textiles - Environmental aspects - Vocabulary (ISO 5157:2023)

Textiles - Aspects environnementaux - Vocabulaire
(ISO 5157:2023)

Textilien - Umweltaspekte - Vokabular (ISO
5157:2023)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

This document (EN ISO 5157:2023) 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of an identical text or by endorsement, at the latest by March 2024, and conflicting national standards shall be withdrawn at the latest by March 2024.

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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Endorsement notice

The text of ISO 5157:2023 has been approved by CEN as EN ISO 5157:2023 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 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).

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Introduction

To date, the terminology regarding environmental aspects used in the textile industry has not been standardized, causing confusion, ineffectiveness and worst case hindering sustainable practices in the textile sector. The global nature of the textile industry highlights the need for global as well as national standards, enabling a common understanding and facilitate trade. A common vocabulary can serve to reduce the risk of greenwashing, bringing value for actors aiming to be transparent as well as facilitating the development of trust among consumers. Stakeholders will benefit from a common terminology for addressing issues related to environmental aspects of textile products and processes.

This document contains definitions of terms widely used in the textile value chain in reference to environmental aspects. ISO Guide 82 has been taken into consideration when addressing sustainability in this document.

This document is applicable to all stakeholders in the textile value chain regardless of size and location.

The aim of this document is to enable future standardization work related to environmental sustainability in the textile value chain.

The list of terms is wide but not exhaustive. Definitions are as far as possible adapted from existing standards but when the intention or definition is unclear additional context or definitions are updated or added.

Textiles — Environmental aspects — Vocabulary

1 Scope

This document provides general terms and definitions used in the textile value chain related to environmental and circular economy aspects including design, production, retail, use and reuse, recycling processes, repair and disposal.

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 <https://www.electropedia.org/>

3.1 Terms related to textiles

3.1.1 General

3.1.1.1

biodegradable material

material capable of undergoing biological aerobic or anaerobic *degradation* (3.2.7.5) during a fixed period leading to a release of carbon dioxide and/or biogas and *biomass* (3.1.2.4), depending on the environmental conditions of the process

Note 1 to entry: Some countries have laws or regulations about claims using “biodegradable”.

3.1.1.2

blended fabric

fabric produced with a combination of two or more types of different *textile fibres* (3.1.1.12), or yarns

3.1.1.3

fibre composition

amount of fibre (s) used in making a textile product

Note 1 to entry: Fibre composition is expressed by mass percentage.

3.1.1.4

fibre shedding

mechanical, biological, chemical and photochemical or any other process

Note 1 to entry: Other process includes production and use, dyeing, washing, drying, ageing, etc.

3.1.1.5

monomer

chemical compound, usually of low molecular mass, that can be converted into a polymer by combining it with itself or with other chemical compounds

[SOURCE: ISO 472:2013, 2.624]