SLOVENSKI STANDARD
SIST EN ISO 638-2:2021

01-september-2021

Nadomešča:
SIST EN ISO 638:2009

Papir, karton, lepenka in vlaknine ter celulozni nanomateriali - Določevanje suhe snovi - Metoda sušenja v sušilniku - 2. del: Suspenzije celuloznih nanomaterialov (ISO 638-2:2021)

Paper, board, pulps and cellulosic nanomaterials - Determination of dry matter content by oven-drying method - Part 2: Suspensions of cellulosic nanomaterials (ISO 638-2:2021)

Papier, Pappe, Faserstoff und cellulosehaltige Nanomaterialien - Bestimmung des Trockengehaltes durch das Wärmeschrankverfahren - Teil 2: Suspensionen von cellulosehaltigen Nanomaterialien (ISO 638-2:2021)

Papiers, cartons, pâtes et nanomatériaux cellulosiques - Détermination de la teneur en matières sèches par séchage à l'étuve - Partie 2: Suspensions de nanomatériaux cellulosiques (ISO 638-2:2021)

Ta slovenski standard je istoveten z: **EN ISO 638-2:2021**

ICS:

85.040	Vlaknine	Pulps
85.060	Papir, karton in lepenka	Paper and board

SIST EN ISO 638-2:2021 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 85.040; 85.060

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English Version

Paper, board, pulps and cellulosic nanomaterials - Determination of dry matter content by oven-drying method - Part 2: Suspensions of cellulosic nanomaterials (ISO 638-2:2021)

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

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European foreword

This document (EN ISO 638-2:2021) has been prepared by Technical Committee ISO/TC 6 "Paper, board and pulps" in collaboration with Technical Committee CEN/TC 172 “Pulp, paper and board” the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by November 2021, and conflicting national standards shall be withdrawn at the latest by November 2021.

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 638-2:2021 has been approved by CEN as EN ISO 638-2:2021 without any modification.

INTERNATIONAL STANDARD

ISO 638-2

First edition
2021-05

Paper, board, pulps and cellulosic nanomaterials — Determination of dry matter content by oven-drying method —

Part 2: Suspensions of cellulosic nanomaterials

Papiers, cartons, pâtes et nanomatériaux cellulosiques — Détermination de la teneur en matières sèches par séchage à l'étuve —

Partie 2: Suspensions de nanomatériaux cellulosiques

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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 of 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 6 *Paper, board and pulps*.

This first edition of ISO 638-2, together with ISO 638-1, cancels and replaces ISO 638:2008, which has been technically revised. The main changes compared to the previous edition are as follows:

— inclusion of cellulosic nanomaterials and paper and board for recycling in the scope;

— splitting of the standard in two parts;

— technical revision of the procedure;

— editorial revision of the document;

— update of precision clause.

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.

Introduction

Determination of dry matter content and water content are carried out for different purposes.

This document is used when the dry matter content is needed to calculate the results for chemical analysis or physical testing, or to determine the water content of cellulosic nanomaterial suspensions.

ISO 638-1[1] is dedicated to the determination of the dry matter content or moisture content in paper, board, pulp and cellulosic nanomaterials in solid form, which all may be produced from virgin and/or recycled materials.

ISO 287[2] is used for the purpose of determining the average moisture content and the variation in moisture content (maximum and minimum values) of a lot of paper and board. In the converting of paper and board, moisture content is important as it can have an effect on processes such as printing and copying. Moisture content can have an effect on curl and dimensional stability.

ISO 4119[3] is used in laboratory procedures or is referred to in other International Standards in which the stock concentration of an aqueous pulp suspension requires determination.