



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 24024-2:2021

Plastics - Homopolymer and copolymer  
resins of vinyl chloride - Part 2:  
Preparation of test samples and  
determination of properties (ISO 24024-  
2:2021)

**I.S. EN ISO 24024-2:2021**

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NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

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## National Foreword

I.S. EN ISO 24024-2:2021 is the adopted Irish version of the European Document EN ISO 24024-2:2021, Plastics - Homopolymer and copolymer resins of vinyl chloride - Part 2: Preparation of test samples and determination of properties (ISO 24024-2:2021)

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN ISO 24024-2**

February 2021

ICS 83.080.20

Supersedes EN ISO 1060-2:1999

English Version

**Plastics - Homopolymer and copolymer resins of vinyl  
chloride - Part 2: Preparation of test samples and  
determination of properties (ISO 24024-2:2021)**

Plastiques - Résines d'homopolymères et de  
copolymères de chlorure de vinyle - Partie 2:  
Préparation des échantillons pour essai et  
détermination des propriétés (ISO 24024-2:2021)

Kunststoffe - Homo- und Copolymere des Vinylchlorids  
- Teil 2: Herstellung von Probekörpern und  
Bestimmung von Eigenschaften (ISO 24024-2:2021)

This European Standard was approved by CEN on 8 February 2021.

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COMITÉ EUROPÉEN DE NORMALISATION  
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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN ISO 24024-2:2021 (E)**

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## **European foreword**

This document (EN ISO 24024-2:2021) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by August 2021, and conflicting national standards shall be withdrawn at the latest by August 2021.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

This document supersedes EN ISO 1060-2:1999.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Endorsement notice**

The text of ISO 24024-2:2021 has been approved by CEN as EN ISO 24024-2:2021 without any modification.

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# INTERNATIONAL STANDARD

**ISO  
24024-2**

First edition  
2021-02

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## **Plastics — Homopolymer and copolymer resins of vinyl chloride —**

### **Part 2: Preparation of test samples and determination of properties**

*Plastiques — Résines d'homopolymères et de copolymères de chlorure  
de vinyle —*

*Partie 2: Préparation des échantillons pour essai et détermination des  
propriétés*



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## ISO 24024-2:2021(E)

### 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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition of ISO 24024-2 cancels and replaces ISO 1060-2:1998, which has been technically revised.

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

- the dated normative references have been replaced with undated reference.

A list of all parts in the ISO 24024 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](http://www.iso.org/members.html).

# Plastics — Homopolymer and copolymer resins of vinyl chloride —

## Part 2: Preparation of test samples and determination of properties

### 1 Scope

This document specifies the methods of preparation of test samples and the test methods to be used in determining the properties of PVC resins. Requirements for handling test material and for conditioning the material before testing are given here. In addition, properties and test methods which are suitable and necessary to characterize PVC resins are listed.

### 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 60, *Plastics — Determination of apparent density of material that can be poured from a specified funnel*

ISO 1068, *Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of compacted apparent bulk density*

ISO 1158, *Plastics — Vinyl chloride homopolymers and copolymers — Determination of chlorine content*

ISO 1264, *Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of pH of aqueous extract*

ISO 1265, *Plastics — Poly(vinyl chloride) resins — Determination of number of impurities and foreign particles*

ISO 1269, *Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of volatile matter (including water)*

ISO 1385-1, *Phthalate esters for industrial use — Methods of test — Part 1: General*

ISO 1624, *Plastics — Vinyl chloride homopolymer and copolymer resins — Sieve analysis in water*

ISO 1628-2, *Plastics — Determination of the viscosity of polymers in dilute solution using capillary viscometers — Part 2: Poly(vinyl chloride) resins*

ISO 2555, *Plastics — Resins in the liquid state or as emulsions or dispersions — Determination of apparent viscosity using a single cylinder type rotational viscometer method*

ISO 2591-1, *Test sieving — Part 1: Methods using test sieves of woven wire cloth and perforated metal plate*

ISO 3219, *Plastics — Polymers/resins in the liquid state or as emulsions or dispersions — Determination of viscosity using a rotational viscometer with defined shear rate*

ISO 3451-5, *Plastics — Determination of ash — Part 5: Poly(vinyl chloride)*

ISO 4574, *Plastics — PVC resins for general use — Determination of hot plasticizer absorption*

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