

**Plastid. Vinüülkloriidi homopolümeer- ja
kopolümeervaigud. Osa 2:
Katsenäidiste ettevalmistamine ja
omaduste määramine**

Plastics - Homopolymer and copolymer resins of
vinyl chloride - Part 2: Preparation of test samples
and determination of properties

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 1060-2:2000 sisaldab Euroopa standardi EN ISO 1060-2:1999 ingliskeelset teksti. Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 1060-2:2000 consists of the English text of the European standard EN ISO 1060-2:1999. This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: Standardi ISO 1060 käesolev osa määrab kindlaks meetodid testimisproovide ettevalmistamiseks ning ka testimismeetodid, mida kasutatakse PVC-vaikude omaduste määramiseks. Standard esitab nõuded testitava materjali käsitsemise ning materjali stabiliseerimise kohta enne testimist. Täiendavalt on loetletud ka PVC-vaikude iseloomustamiseks sobivad ja vajalikud omadused ja testimismeetodid. Reprodutseeritavate ja võrreldavate testimistulemuste saamiseks on vaja kasutada siin kindlaksmääratud proovi ettevalmistus- ja stabiliseerimismeetodeid ning testimismenetlusi. Määratud väärtused ei pruugi olla identsed nende väärtustega, mis on saadud eri testimisproovide või erisuguste menetlustega ettevalmistatud testimisproovide kasutamise korral.	Scope:
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ICS 83.080.20

Võtmesõnad: copolymers, determination, homopolymers, plastics, properties, specimen preparation, test specimens, tests, thermoplastic resins, vinyl chloride, vinyl resins

English version

Plastics

Homopolymer and copolymer resins of vinyl chloride

Part 2: Preparation of test samples and determination of properties
(ISO 1060-2 : 1998)

Plastiques – Résines d'homopolymères et de copolymères de chlorure de vinyle – Partie 2: Préparation des échantillons pour essai et détermination des propriétés
(ISO 1060-2 : 1998)

Kunststoffe – Homo- und Copolymer des Vinylchlorids – Teil 2: Herstellung von Probekörpern und Bestimmung von Eigenschaften
(ISO 1060-2 : 1998)

This European Standard was approved by CEN on 1999-04-18.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 1060-2 : 1998 Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 2: Preparation of test samples and determination of properties,

which was prepared by ISO/TC 61 'Plastics' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 249 'Plastics', the Secretariat of which is held by IBN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by November 1999 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 1060-2 : 1998 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

1 Scope

This part of ISO 1060 specified 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.

In order to obtain reproducible and comparable test results, it is necessary to use the methods of sample preparation and conditioning and the test procedures specified herein. Values determined will not necessarily be identical to those obtained using different test samples, or test samples prepared using different procedures.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 1060. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 1060 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 60:1977, *Plastics — Determination of apparent density of material that can be poured from a specified funnel.*

ISO 1068:1975, *Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of compacted apparent bulk density.*

ISO 1158:—¹⁾, *Plastics — Vinyl chloride homopolymers and copolymers — Determination of chlorine content.*

ISO 1159:1978, *Plastics — Vinyl chloride-vinyl acetate copolymers — Determination of vinyl acetate.*

ISO 1264:1980, *Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of pH of aqueous extract.*

ISO 1265:1979, *Plastics — Polyvinyl chloride resins — Determination of number of impurities and foreign particles.*

ISO 1269:1980, *Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of volatile matter (including water).*

ISO 1385-1:1977, *Phthalate esters for industrial use — Methods of test — Part 1: General.*

ISO 1624:1978, *Plastics — Vinyl chloride homopolymer and copolymer resins — Sieve analysis in water.*

1) To be published. (Revision of ISO 1158:1984)

- ISO 1628-2:—²⁾, *Plastics — Determination of the viscosity of polymers in dilute solution using capillary viscometers — Part 2: Poly(vinyl chloride) resins.*
- ISO 2555:1989, *Plastics — Resins in the liquid state or as emulsions or dispersions — Determination of apparent viscosity by the Brookfield Test method.*
- ISO 2591-1:1988, *Test sieving — Part 1: Methods using test sieves of woven wire cloth and perforated metal plate.*
- ISO 3219:1993, *Plastics — Polymers/resins in the liquid state or as emulsions or dispersions — Determination of viscosity using a rotational viscometer with defined shear rate.*
- ISO 3451-5:1989, *Plastics — Determination of ash — Part 5: Poly(vinyl chloride).*
- ISO 4574:1978, *Plastics — PVC resins for general use — Determination of hot plasticizer absorption.*
- ISO 4575:1985, *Plastics — Polyvinyl chloride pastes — Determination of apparent viscosity using the Severs rheometer.*
- ISO 4608:—³⁾, *Plastics — Homopolymer and copolymer resins of vinyl chloride for general use — Determination of plasticizer absorption at room temperature.*
- ISO 4610:1977, *Plastics — Vinyl chloride homopolymer and copolymer resins — Sieve analysis using air-jet sieve apparatus.*
- ISO 4612:—⁴⁾, *Plastics — Preparation of PVC pastes for test purposes — Planetary-mixer method.*
- ISO 6186:—⁵⁾, *Plastics — Determination of pourability.*
- ISO 6401:1985, *Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of residual vinyl chloride monomer — Gas chromatographic method.*
- ISO 11468:1997, *Plastics — Preparation of PVC pastes for test purposes — Dissolver method.*

3 Preparation of test samples

3.1 Sampling

The sample of resin taken shall be generally representative of the resin whose properties are to be determined and be sufficiently large to provide the number of test samples required by the test methods concerned.

3.2 Preparation of standard pastes

In order to carry out certain tests on paste resins, it is necessary to prepare standard pastes from the test sample concerned.

For designation purposes, one of two standard paste formulations, A and B, shall be used, but formulation A should be used in preference. Formulation B should be used when the resin to be designated does not form a paste with formulation A or if the temperature exceeds 35 °C during the preparation of the paste. Formulation B should also be used when it is not possible to measure the viscosities of the paste at both shear rates with formulation A.

2) To be published. (Revision of ISO 1628-2:1988)

3) To be published. (Revision of ISO 4608:1984)

4) To be published. (Revision of ISO 4612:1979)

5) To be published. (Revision of ISO 6186:1980)