

<b>STN</b>	<b>Plasty</b> <b>Príprava PVC pást na skúšobné účely</b> <b>Metóda s planetárnou miešačkou (ISO 4612: 2018)</b>	<b>STN</b> <b>EN ISO 4612</b>  64 0327
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Plastics - Preparation of PVC pastes for test purposes - Planetary-mixer method (ISO 4612:2018)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/19

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English Version

## Plastics - Preparation of PVC pastes for test purposes - Planetary-mixer method (ISO 4612:2018)

Plastiques - Préparation des pâtes PVC pour essais -  
Méthodes utilisant un mélangeur planétaire (ISO  
4612:2018)

Kunststoffe - Herstellung von PVC-Pasten für  
Prüfzwecke - Planetenmischerverfahren (ISO  
4612:2018)

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**EN ISO 4612:2018 (E)**

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## **European foreword**

This document (EN ISO 4612:2018) 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of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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 4612:2018 has been approved by CEN as EN ISO 4612:2018 without any modification.

# INTERNATIONAL STANDARD

**ISO**  
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## **Plastics — Preparation of PVC pastes for test purposes — Planetary-mixer method**

*Plastiques — Préparation des pâtes PVC pour essais — Méthodes  
utilisant un mélangeur planétaire*



Reference number  
ISO 4612:2018(E)

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## ISO 4612:2018(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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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*.

This third edition cancels and replaces the second edition (ISO 4612:1999), of which it constitutes a minor revision to update the reference in [Clause 2](#).

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 — Preparation of PVC pastes for test purposes — Planetary-mixer method

## 1 Scope

This document specifies two methods, A and B, for the preparation of pastes (also known as plastisols) from appropriate PVC resins, plasticizers and other ingredients using a planetary mixing process.

Both method A and method B can be used to prepare pastes of any composition. Method A (single-speed) is particularly applicable to resins prone to heat build-up during paste preparation, while method B (two-speed) might be preferred for repetitive work, e.g. for process control during resin manufacture, because of its shorter mixing time.

Such pastes can be used for a variety of test purposes, including the determination of rheological properties for resin designation and specification.

## 2 Normative reference

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 291, *Plastics — Standard atmospheres for conditioning and testing*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**