

**Plastics —
Methods for determining the density of non-cellular plastics
Part 1: Immersion method, liquid pycnometer method and
titration method**

(ISO 1183-1:2019, corrected version 2019-05)

Kunststoffe — Verfahren zur Bestimmung der Dichte von nicht
verschäumten Kunststoffen — Teil 1: Eintauchverfahren, Verfahren mit
Flüssigkeitspycnometer und Titrationsverfahren
(ISO 1183-1:2019, korrigierte Fassung 2019-05)

Plastiques — Méthodes de détermination de la masse volumique des
plastiques non alvéolaires — Partie 1: Méthode par immersion, méthode
du pycnomètre en milieu liquide et méthode par titrage
(ISO 1183-1:2019, version corrigée 2019-05)

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Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pycnometer method and titration method
(ISO 1183-1:2019, corrected version 2019-05)

Plastiques - Méthodes de détermination de la masse volumique des plastiques non alvéolaires -
Partie 1: Méthode par immersion, méthode du pycnomètre en milieu liquide et méthode par titrage
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Kunststoffe - Verfahren zur Bestimmung der Dichte von nicht verschäumten Kunststoffen -
Teil 1: Eintauchverfahren, Verfahren mit Flüssigkeitspycnometer und Titrationsverfahren
(ISO 1183-1:2019, korrigierte Fassung 2019-05)

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European foreword

This document (EN ISO 1183-1:2019) 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of an identical text or by endorsement, at the latest by October 2019, and conflicting national standards shall be withdrawn at the latest by October 2019.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

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ÖNORM

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Plastics — Methods for determining the density of non-cellular plastics —

Part 1:

Immersion method, liquid pycnometer method and titration method

*Plastiques — Méthodes de détermination de la masse volumique des
plastiques non alvéolaires —*

*Partie 1: Méthode par immersion, méthode du pycnomètre en milieu
liquide et méthode par titrage*



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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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This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 5, *Physical-chemical properties*.

This third edition cancels and replaces the second edition (ISO 1183-1:2012), which has been technically revised. The main changes compared to the previous edition are as follows:

- the buoyancy correction has been revised.

A list of all parts in the ISO 1183 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.

This corrected version of ISO 1183-1:2019 incorporates the following corrections:

- correction of the definition of [Formula \(2\)](#).