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Second edition
2012-07-01

Plastics — Determination of average molecular mass and molecular mass distribution of polymers using size-exclusion chromatography —

Part 3: Low-temperature method

Plastiques — Détermination de la masse moléculaire moyenne et de la distribution des masses moléculaires des polymères par chromatographie d'exclusion stérique —

Partie 3: Mesurage aux basses températures



Reference number
ISO 16014-3:2012(E)

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Published in Switzerland

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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.

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 16014-3 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 5, *Physical-chemical properties*.

This second edition cancels and replaces the first edition (ISO 16014-3:2003), which has been technically revised. The main changes are as follows:

- a) the normative references have been updated (see Clause 2);
- b) Subclause 7.1 (concerning the preparation of solutions of molecular mass standards) has been revised;
- c) the maximum mass of the polymer sample which may be injected has been reduced from 0,1 mg to 0,05 mg per cubic centimetre of empty column (see 7.5.2);
- d) Subclause 7.6 (concerning the number of determinations) has been revised;
- e) further information has been added on the round-robin tests carried out between 1995 and 1998 (see Annex C);
- f) a bibliography has been added.

ISO 16014 consists of the following parts, under the general title *Plastics — Determination of average molecular mass and molecular mass distribution of polymers using size-exclusion chromatography*:

- *Part 1: General principles*
- *Part 2: Universal calibration method*
- *Part 3: Low-temperature method*
- *Part 4: High-temperature method*
- *Part 5: Method using light-scattering detection*