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Irish Standard
I.S. EN ISO 17422:2019

Plastics - Environmental aspects - General guidelines for their inclusion in standards (ISO 17422:2018)

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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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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 17422

June 2019

ICS 13.020.01; 83.080.01

English Version

Plastics - Environmental aspects - General guidelines for their inclusion in standards (ISO 17422:2018)

Matières plastiques - Aspects liés à l'environnement - Lignes directrices générales pour leur prise en compte dans les normes (ISO 17422:2018)

Kunststoffe - Umweltaspekte - Allgemeine Richtlinien für die Aufnahme in Normen (ISO 17422:2018)

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European foreword

The text of ISO 17422:2018 has been prepared by Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 17422:2019 by 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of an identical text or by endorsement, at the latest by December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

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INTERNATIONAL STANDARD

ISO 17422

Second edition
2018-06

Plastics — Environmental aspects — General guidelines for their inclusion in standards

Matières plastiques — Aspects liés à l'environnement — Lignes directrices générales pour leur prise en compte dans les normes

Reference number
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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 14, *Environmental aspects*.

This second edition cancels and replaces the first edition (ISO 17422:2002), which has been technically revised. The changes compared to the previous edition are as follows:

— Clause 1 has been revised to include “renewable resources” [item b) 6) of the Note];

— in Clause 3, 3.10 “renewable resource” and 3.11 “end-of-life” have been added;

— terms and definitions formerly in Annex A have been moved to Clause 3, except “life cycle impact assessment (LCIA)” which has been deleted because it is not used in the document;

— subclause 4.3.4 “Renewable resources and energy” has been added;

— a Note has been added to A.4 to provide a new example of energy input;

— the Bibliography has been revised and updated.

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Plastics — Environmental aspects — General guidelines for their inclusion in standards

1 Scope

This document provides a structure for inclusion of environmental aspects in standards for plastics products. It proposes an approach which is directed at minimizing any adverse environmental impact without detracting from the primary purpose of ensuring adequate fitness for use of the products under consideration.

The guidance provided by this document is intended primarily for use by standards writers. Over and above its primary purpose, however, this document provides guidance of value to those involved in design work and other activities where environmental aspects of plastics are being considered.

NOTE This document is intended to promote the following practices:

a) the use of techniques for identifying and assessing the environmental impact of technical provisions in standards, and for minimizing their adverse effects;

b) the adoption of good practices such as:

1) procedures for pollution avoidance, e.g. through end-of-life options and its proper management;

2) material and energy conservation in the light of the intended use (and foreseeable misuse) of the product;

3) safe use of hazardous substances;

4) avoidance of technically unjustifiable restrictive practices;

5) promotion of performance criteria rather than exclusion clauses such as are based, for example, only on chemical composition criteria;

6) use of renewable resources and minimization of the use of non-renewable resources, if the life cycle assessment shows favourable;

c) the adoption of a balanced approach in standards development to issues such as environmental impact, product function and performance, health and safety, and other regulatory requirements;

d) the regular review and revision of existing standards in the light of technical innovations, permitting improvement in the environmental impact of products and processes;

e) the application of life cycle analytical approaches wherever applicable and technically justifiable.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at https://www.iso.org/obp

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