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Packaging — Accessible design — Ease of opening

Emballages — Conception accessible — Facilité d'ouverture

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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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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword — Supplementary information.

The committee responsible for this document is ISO/TC 122, *Packaging*.

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Introduction

In our ageing world, there has been increasing awareness of full and effective participation of older persons and persons with disabilities in society on an equal basis. A common challenge facing the packaging industry in the world is to develop packages which are easy to open for more people, including older persons and persons with disabilities.

Ease of opening in packaging adds more value to the usability of packaged products. In addition to sealing performance, greater consideration needs to be given to ease-of-opening function when designing packaging.

While degrees of ease of opening and satisfaction of opening can vary widely in ages, sex, physical ability, and features, etc., this International Standard addresses essential points to enhance ease of opening in packaging from accessible design viewpoints.

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Packaging — Accessible design — Ease of opening

1 Scope

This International Standard specifies requirements and recommendations for the accessible design for packaging with a focus on ease of opening. It applies to reclosable and non-reclosable consumer packaging without using any other mechanical means. This International Standard covers the design aspects addressing openability including opening location, opening methods, as well as evaluation techniques, both instrumented and user-based. This International Standard is primarily for designers, developers, and evaluators of packaging and will also be useful for other disciplines.

For products regulated for safety or other reasons (e.g. toxic or dangerous goods and substances, medicinal products, and medical devices), those regulations take precedence.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 21067, *Packaging — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 21067 and the following apply.

3.1
consumer packaging
packaging, constituting, with its contents, a sales unit to the final user or consumer at the point of retail

[SOURCE: ISO 21067]

3.2
openability
extent to which package contents can be accessed easily with regards to human factors (e.g. strength, dexterity, and cognition)

Note 1 to entry: Packaging with poor openability means that the contents are perceived as difficult to access.

3.3
strength
amount of force needed to achieve an intended task

3.4
dexterity
extent to which a user can manipulate and handle an object

3.5
cognition
extent to which a user can understand the appropriate information as it is intended

3.6
instrument-based evaluation
evaluation that uses measurement instruments to obtain quantified data, such as force and torque levels in physical testing

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