INTERNATIONAL STANDARD

ISO 13106

First edition
2014-05-15

Plastics — Blow-moulded polypropylene containers for packaging of liquid foodstuffs

Plastiques — Récipients en polypropylène moulés par soufflage pour l'emballage de denrées alimentaires liquides

Reference number
ISO 13106:2014(E)

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Published in Switzerland

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Foreword

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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 61, *Plastics*, Subcommittee SC 11, *Products*.

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Plastics — Blow-moulded polypropylene containers for packaging of liquid foodstuffs

WARNING — This International Standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this International Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

1 Scope

This International Standard provides the requirements of polypropylene resins intended for use in blow-moulded, round containers with capacities up to, and including two litres intended for the packaging of liquids for human consumption. This International Standard also provides tolerances on mass, dimensions, methods of sampling, testing, and performance requirements.

NOTE It is not to be implied that polypropylene resins are the only polymers suitable for these applications, as many other polymers, including PE-HD, PET, etc. are also suitable.

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 472:2013, *Plastics — Vocabulary*

ISO 291:2008, *Plastics — Standard atmospheres for conditioning and testing*

ISO 1873-1, *Plastics — Polypropylene (PP) moulding and extrusion materials — Part 1: Designation system and basis for specifications*

ISO 1873-2, *Plastics — Polypropylene (PP) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties*

ISO 15270, *Plastics — Guidelines for the recovery and recycling of plastics waste*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

3 Terms and definitions

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

NOTE For detailed definitions of terms found in this International Standard, refer to ISO 472. Neck height (H) for containers produced using ISBM technology is the perpendicular distance from highest point of the neck face to bottom plane of the support ledge. The brimful capacity can also be measured using special volume testing equipment (Annex B). For bottles and lipped containers, nominal capacity is approximately 90 % of the brimful capacity.

3.1
extrusion blow-moulded container
container formed from an extruded parison of heat-softened thermoplastic, blow-moulded by the application of air pressure which forces it against the inside walls of a blow mould

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