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**Specification of polypropylene  
drinking straws**

*Spécifications des pailles à boire en polypropylène*



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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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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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*.

## Introduction

Despite worldwide use, polypropylene drinking straws lack standards and specifications. This International Standard provides general requirements for dimensions and performance properties to ensure consistent, quality products.

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# Specification of polypropylene drinking straws

## 1 Scope

This International Standard specifies the general characteristics, requirements and methods for testing of polypropylene (PP) drinking straws (herein after called PP straws). It is applicable to PP straws having an inner diameter of 3 mm to 12 mm.

## 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 291, *Plastics — Standard atmospheres for conditioning and testing*

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

ISO 4593, *Plastics — Film and sheeting — Determination of thickness by mechanical scanning*

ISO 19069-1, *Plastics — Polypropylene (PP) moulding and extrusion materials — Part 1: Designation system and basis for specifications*

## 3 Terms and definitions

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

### 3.1

#### **plastic drinking straw**

thin tube of plastic for sucking up liquid from a container

### 3.2

#### **straight straw**

straw with a straight tube

### 3.3

#### **flexible/bendable straw**

straw with an angle-adjustable bellows segment

### 3.4

#### **spoon straw**

straw with a spoon-shaped end, intended for slushes

### 3.5

#### **sharp tip straw**

straw with a sharp tip, intended for insertion through film sealed containers

### 3.6

#### **extendable straw**

straw composed of concentric sections whose length is extended by pulling the inner tube out of the outer one