
**Woven polypropylene sacks for bulk
packaging of foodstuffs**

*Sacs tissés en polypropylène pour l'emballage en vrac de denrées
alimentaires*



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

This second edition cancels and replaces the first edition (ISO 23560:2008), which has been technically revised.

Introduction

With the removal of trade barriers between nations, there is a need for an International Standard for the packaging, transportation, and storage of foodstuffs such as cereals. Polypropylene (PP) sacks made from woven fabric are an ideal choice for the packaging of foodstuffs. Such sacks are produced from food-grade polypropylene and ensure the mechanical strength needed for storage and transportation.

This International Standard describes the construction of the sacks, their dimensions, and test methods suitable for ensuring the long-term storage and transportation of foodstuffs in the sacks.

Woven polypropylene sacks for bulk packaging of foodstuffs

1 Scope

This International Standard specifies the general characteristics, requirements, and methods of test for woven polypropylene (PP) sacks. It is applicable to woven PP sacks, having a capacity of 50 kg or 25 kg, intended for the transport and storage of foodstuffs, such as cereals, sugar, and pulses.

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 3451-1:2008, *Plastics — Determination of ash — Part 1: General methods*

ISO 4892-3:2013, *Plastics — Methods of exposure to laboratory light sources — Part 3: Fluorescent UV lamps*

ISO 4915, *Textiles — Stitch types — Classification and terminology*

ISO 6591-2, *Packaging — Sacks — Description and method of measurement — Part 2: Empty sacks made from thermoplastic flexible film*

ISO 13934-1, *Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method*

ISO 13935-1, *Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 1: Determination of maximum force to seam rupture using the strip method*

3 Terms and definitions

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

3.1

woven PP sack

container made of woven polypropylene (PP) fabric, closed at one end, in certain cases combined with other flexible materials used, for instance, for the liner to provide the properties required for filling, storage, and distribution of the packaged commodity

4 Manufacture

4.1 Raw materials

A suitable grade of PP conforming to food contact requirements shall be utilized in the manufacture of the PP tape/fabric used in the sacks.