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Plastics — Film and sheeting — Biaxially oriented polypropylene (PP) films

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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).

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).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This second edition cancels and replaces the first edition (ISO 17555:2003), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the normative references have been updated;
- the gloss and thickness measurement methods have been added;
- further International Standards for measuring water vapour transmission have been added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Plastics — Film and sheeting — Biaxially oriented polypropylene (PP) films

1 Scope

This document specifies the requirements for biaxially oriented polypropylene (PP) films, which are mainly used for packaging. The film can be used alone or in laminates with other films.

This document applies only to films composed of more than 95 % (by mass) of polypropylene.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 527-3, Plastics — Determination of tensile properties — Part 3: Test conditions for films and sheets

ISO 2813, Paints and varnishes — Determination of gloss value at 20°, 60° and 85°

ISO 8296, Plastics — Film and sheeting — Determination of wetting tension

ISO 14782, Plastics — Determination of haze for transparent materials

ISO 15106-1, Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 1: Humidity detection sensor method

ISO 15106-2, Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 2: Infrared detection sensor method

ISO 15106-3, Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 3: Electrolytic detection sensor method

ISO 15106-4, Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 4: Gas-chromatographic detection sensor method

ISO 15106-5, Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 5: Pressure sensor method

ISO 15106-6, Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 6: Atmospheric pressure ionization mass spectrometer method

ISO 15106-7, Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 7: Calcium corrosion method

3 Terms and definitions

No terms and definitions are listed in this document.

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

- ISO Online browsing platform: available at https://www.iso.org/obp
- IEC Electropedia: available at http://www.electropedia.org/