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

Plastiques — Film et feuille — Films en polypropylène (PP) bi-orientés

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 17555 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

It is based on Japanese Standard JIS Z 1712:1996.

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

1 Scope

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

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

2 Normative references

The following referenced documents are indispensable for the application 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 291:1997, *Plastics — Standard atmospheres for conditioning and testing*

ISO 527-3:1995, *Plastics — Determination of tensile properties — Part 3: Test conditions for films and sheets*

ISO 4593:1993, *Plastics — Film and sheeting — Determination of thickness by mechanical scanning*

ISO 8296:1987, *Plastics — Film and sheeting — Determination of wetting tension*

ISO 14782:1999, *Plastics — Determination of haze for transparent materials*

ISO 15106-1:2003, *Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 1: Humidity detection sensor method*

ISO 15106-2:2003, *Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 2: Infrared detection sensor method*

ISO 15106-3:2003, *Plastics — Film and sheeting — Determination of water vapour transmission rate — Part 3: Electrolytic detection sensor method*

3 Classification

Films are classified into two types as shown in Table 1.

Table 1 — Classification of films

Type 1	Film subjected to corona discharge, flame or plasma treatment
Type 2	Film not subjected to corona discharge, flame or plasma treatment