
**Plastics — Film and sheeting —
Non-oriented poly(ethylene
terephthalate) (PET) sheets**

*Plastiques — Film et feuille — Films en poly(éthylène téréphtalate)
(PET) non-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.

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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.

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Introduction

Oriented and non-oriented films and sheets are both made from polyethylene terephthalate (PET). ISO 15988:2003^[2] covers only oriented PET films and sheets which have crystalline structure. Non-oriented PET (APET) films and sheets show quite different properties because of their non-crystalline structure and require a separate International Standard.

This International Standard is based on JIS Z 1716:2004,^[4] in which, however, only virgin PET resin is allowed to be used as the raw material.

Additional features of this International Standard are:

- a) recycled PET resin can also be used under controlled specified conditions;
- b) the structure and classification of film and sheet, such as single, double or triple layer, are specified in conjunction with applications;
- c) applications for food packaging are described in conjunction with food and sanitary laws or regulations of each country or region.