

INTERNATIONAL STANDARD

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Draughting media for technical drawings — Draughting film with polyester base —

Part 1: Requirements and marking

*Supports de traçage pour dessins techniques — Films à dessin à base
de polyester —*

Partie 1: Caractéristiques et marquage



Reference number
ISO 9958-1:1992(E)

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.

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.

International Standard ISO 9958-1 was prepared by Technical Committee ISO/TC 10, *Technical drawings, product definition and related documentation*, Sub-Committee SC 9, *Media and equipment for drawing and related documentation*.

ISO 9958 consists of the following parts, under the general title *Draughting media for technical drawings* --- *Draughting film with polyester base*:

- *Part 1: Requirements and marking*
- *Part 2: Determination of properties*

Annexes A and B of this part of ISO 9958 are for information only.

Draughting media for technical drawings — Draughting film with polyester base —

Part 1: Requirements and marking

1 Scope

This part of ISO 9958 specifies the requirements for draughting film with a biaxially oriented polyethylene terephthalate base (commonly known as a polyester base) used as a medium for drawn and written information which it is possible to duplicate, revise and store.

In addition, this part of ISO 9958 specifies the contents of the label to be affixed on the outside of the draughting film package, and gives an example of the product information which may be prepared by the manufacturer or retailer of the draughting film.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 9958. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 9958 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 4593:—¹⁾, *Plastics — Film and sheeting — Determination of thickness by mechanical scanning*

ISO 9177-1:1989, *Mechanical pencils — Part 1: Classification, dimensions, performance requirements and testing*.

ISO 9177-2:1989, *Mechanical pencils — Part 2: Black leads — Classification and dimensions*.

ISO 9958-2:1992, *Draughting media for technical drawings — Draughting film with polyester base — Part 2: Determination of properties*.

3 Definitions

For the purposes of this part of ISO 9958, the following definitions apply.

3.1 draughting film: A film for drawn and written information with either chemically or mechanically produced drawing surfaces on one or both sides.

3.2 total thickness of the draughting film: The thickness of the draughting film, measured in accordance with ISO 4593.

3.3 base film; raw film: Biaxially oriented film made of polyethylene terephthalate (a polymer of polyester type) without any coating(s).

3.4 base film thickness: The thickness of the base film, measured in accordance with ISO 4593.

3.5 drawing layer: A coating on the base film, mainly composed of binder substances containing pigments or fillers and bonded to the base film. The bonding may be produced by an adhesion layer.

3.6 adhesion: The state in which two surfaces are held together by chemical and/or physical forces.

3.7 adhesion layer: A layer on the surface of the base film that ensures adhesion between the base film and the drawing layer or anti-curling layer.

1) To be published. (Revision of ISO 4593:1979)