

INTERNATIONAL STANDARD

ISO
12636

First edition
1998-07-15

Graphic technology — Blankets for offset printing

Technologie graphique — Blanchets pour impression offset



Reference number
ISO 12636:1998(E)

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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.

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 12636 was prepared by Technical Committee ISO/TC 130, *Graphic technology*.

Annex A of this International Standard is for information only.

Introduction

The blanket is an essential part of every offset printing press. Its properties exert a profound influence on the mechanical conditions within the press and the visual characteristics of the prints produced. It is therefore useful to provide test methods, unified data, and tolerances for some essential properties of the blankets. This permits the suppliers to state properties of blanket types in a unified and well-known manner. It also helps the printer to select the appropriate blanket type for a particular press type or press condition. A further benefit is that the design of printing presses can be based on blanket data resulting from unified test methods.

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Graphic technology — Blankets for offset printing

1 Scope

This International Standard defines vocabulary, specifies test methods, characteristics, ordering and labeling information for blankets for offset printing. This International Standard does not apply to untensioned or unclamped blankets for offset printing, nor offset printing sleeves used with gapless presses.

2 Terms and definitions

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

2.1

across direction

direction of the side of the blanket as intended to be applied perpendicular to the direction of rotation

2.2

around-the-cylinder direction

direction of the side of the blanket as intended to be applied in the direction of the rotation

2.3

average thickness

mean of four measurements on a cut blanket where the measurements have been made on the points indicated in figure 1, namely on 2 diagonally opposed corners and one each at the middle of the two sides that are perpendicular to each other within a right triangle

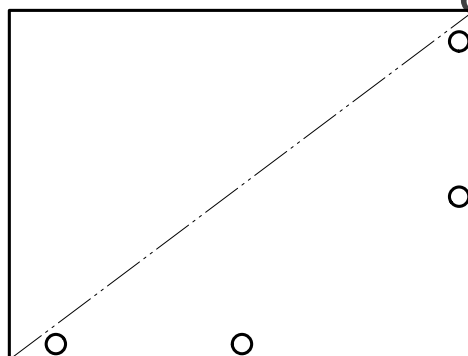


Figure 1 — Thickness measurement points

2.4

blanket

composite body, consisting of coated carrier material, e.g. fabric, used for transfer of the printing ink from the forme onto material to be printed on, e.g. for offset printing