
**Graphic technology — Blankets for
offset printing**

Technologie graphique — Blanchets pour impression offset



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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).

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

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

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

This second edition cancels and replaces the first edition (ISO 12636:1998), which has been technically revised.

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 standardized and universally understood 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.

Graphic technology — Blankets for offset printing

1 Scope

This document defines vocabulary and specifies test methods, characteristics, ordering and labelling information for blankets for offset printing. This document does not apply to un-tensioned or unclamped blankets for offset printing, nor offset printing sleeves used on gapless presses.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

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/>

3.1

across cylinder direction

direction of the side of the *blanket* (3.4) as intended to be applied perpendicular to the direction of rotation

3.2

around-the-cylinder direction

direction of the side of the *blanket* (3.4) as intended to be applied in the direction of the rotation

3.3

average thickness

mean of thickness measurements

3.4

blanket

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

3.5

load at specific deflection

average stress of a *blanket* (3.4) under compressive force

Note 1 to entry: It is expressed in kPa.

3.6

compressibility-deflection

average thickness reduction of a *blanket* (3.4) measured under a specific pressure

Note 1 to entry: It is expressed in millimetres.