

Second edition
2022-01

Paper and board — Cut-size office paper — Measurement of curl in a pack of sheets

Papier et carton — Papier en format à usage de bureau — Mesurage du tuilage dans un paquet de feuilles



Reference number
ISO 14968:2022(E)

© ISO 2022



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

This is a preview of ISO 14968:2022. Click [here](#) to purchase the full version from the ANSI store.

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
5.1 Curl gauge.....	2
6 Test atmosphere	2
7 Sampling	3
8 Procedure	3
9 Expression of results	4
9.1 Dominant curl axis — parallel to, or perpendicular to the machine direction axis.....	4
9.2 No dominant curl.....	4
9.3 Concave side.....	4
10 Precision	4
11 Test report	4
Annex A (informative) Types of curl	6
Annex B (informative) Curl gauge construction	8
Bibliography	10

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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

For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, Subcommittee SC 2, *Test methods and quality specifications for paper and board*.

This second edition cancels and replaces the first edition (ISO 14968:1999), of which it constitutes a minor revision.

The main changes are as follows:

- the normative references in [Clause 2](#) have been updated;
- editorial corrections have been applied.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This is a preview of ISO 14968:2022. [Click here to purchase the full version from the ANSI store.](#)

Introduction

Curl in cut-size office papers plays an important part in the performance of these papers in copying processes. Frequently, cut-size papers are used on copier and other printing devices, operating at high speeds. Curl which exists in the ream before the paper enters the imaging process, and curl developed during the imaging process, can affect office paper performance, especially if two-sided printing or collating is involved. Common problems experienced include jamming and misregistration.

The experience used in developing this test method was limited to uncoated papers in the commonly used cut sizes. The technique is basic and can be used with coated papers as well as paperboard to identify the type and magnitude of curl.

The test method identifies the type and degree of curl in a pack of sheets but does not address variations that might be present in individual sheets. The method of ISO 11556 can be used to measure curl in individual sheets.

It should be recognized that the curl occurring after processing in a copier or a printing device may bear no relation to the curl of the paper as received.