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STANDARD

5626

Second edition
1993-11-15

Paper — Determination of folding endurance

Papier — Détermination de la résistance au pliage



Reference number
ISO 5626:1993(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 5626 was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, Sub-Committee SC 2, *Test methods and quality specifications for paper and board*.

This second edition cancels and replaces the first edition (ISO 5626:1978), of which it constitutes a technical revision (see introduction).

Annexes A and B form an integral part of this International Standard. Annex C is for information only.

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Introduction

A number of instruments for determining the folding endurance of paper are in existence, the most commonly used being the Köhler Molin, Lhomargy, the MIT and the Schopper instruments. This International Standard is therefore based upon these four types of instrument. It should be noted, however, that the instruments do not give identical results.

The first edition of this International Standard (ISO 5626:1978) specified that the result be reported as the logarithm (to the base 10) of the number of double folds before fracture. The reason for this was the widely held opinion that the relative folding endurances of different papers are best indicated when the test values are expressed logarithmically. This procedure is still valid. However, experience during the life of the 1978 edition has shown that the interpretation of logarithmic results has caused confusion and consequently results are frequently quoted as the number of double folds. In view of this, this International Standard allows the results to be reported as either folding endurance [the logarithm (to the base 10) of the number of double folds] or the fold number (the antilogarithm of the folding endurance).

It should be noted that the fold number as defined in this International Standard is not the mean of the observed number of double folds and is therefore different to the understanding of fold number which existed prior to 1978 and which still persists in some countries.