Second edition
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Paper and board — Determination of compressive strength — Ring crush method

Papier et carton — Détermination de la résistance à la compression — Méthode d'écrasement en anneau

Reference number
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Foreword

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The main task of technical committees is to prepare International Standards. 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.

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ISO 12192 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 12192:2002), which has been technically revised. In the revision, the instrument is clarified in accordance with ISO 13820, relevant terms are defined, a precision statement is added, and other minor text corrections have been made. Significant technical changes in this revision include an expansion of the scope of the method to thinner specimens (lower grammage) and a clarification of the procedure to indicate testing with alternating sides of the test piece facing outward.

Introduction

Fibreboard shipping containers are frequently subjected to in-plane compressive forces during shipment or storage. Therefore, resistance to crushing is an important measure of the performance characteristics of the containers.

The resistance to crushing depends on the design of the containers and on the in-plane crush resistance of the components of the board from which it is made. The in-plane crush resistance of these components can be measured by the ring crush test.