

This is a preview of "ISO 7965-2:1993". [Click here to purchase the full version from the ANSI store.](#)

STANDARD

**7965-2**

First edition  
1993-12-15

---

---

**Sacks — Drop test —**

**Part 2:**

Sacks made from thermoplastic flexible film

*Essais de chute —*

*Partie 2: Sacs faits d'un film thermoplastique flexible*



Reference number  
ISO 7965-2:1993(E)

## 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 7965-2 was prepared by Technical Committee ISO/TC 122, *Packaging*, Subcommittee SC 2, *Sacks*.

ISO 7965 consists of the following parts, under the general title *Sacks — Drop test*:

- *Part 1: Paper sacks*
- *Part 2: Sacks made from thermoplastic flexible film*

Annexes A, B and C of this part of ISO 7965 are for information only.

© ISO 1993

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization  
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

This is a preview of "ISO 7965-2:1993". Click here to purchase the full version from the ANSI store.

# Sacks — Drop test —

## Part 2:

## Sacks made from thermoplastic flexible film

### 1 Scope

This part of ISO 7965 specifies a method of vertical impact testing on a filled sack made from thermoplastic flexible film by dropping. It may be performed either as a single test to investigate the effects of vertical impact or as a part of a sequence of tests designed to measure the ability of a sack to withstand a distribution system that includes a vertical impact hazard.

This part of ISO 7965 specifies the testing procedure and how the results of tests should be presented. It is based on ISO 2248<sup>1)</sup>, but is specifically related to sacks made from thermoplastic flexible film.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 7965. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 7965 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2233:1986, *Packaging — Complete, filled transport packages — Conditioning for testing.*

ISO 7023:1983, *Packaging — Sacks — Method of sampling empty sacks for testing.*

### 3 Principle

The filled sack is raised above a rigid surface and released to strike this surface after a free fall, the atmospheric conditions, the height of the drop and the position of the package being set in advance.

### 4 Apparatus

The apparatus necessary to carry out the drop test shall include the following (examples are shown in annex A):

**4.1 Lifting arrangement**, which will not damage the sack during either lifting or release.

**4.2 Means of holding the sack** prior to release in its predetermined position.

The difference in behaviour of a sack suspended from the top or supported underneath in a butt drop can be significant, and the method of holding the sack before dropping shall be included in the test report.

**4.3 Release mechanism**, to release the sack in such a way that its fall is not obstructed by any part of the apparatus before striking the impact surface (4.4).

**4.4 Impact surface**, horizontal and flat, massive enough to be immovable and rigid enough to be nondeformable under test conditions.

1) ISO 2248:1985, *Packaging — Complete, filled transport packages — Vertical impact test by dropping.*