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**Kotid. Kukutamiskatse. Osa 2:  
Termoplastsest elastsest kilest  
valmistatud kotid**

Sacks - Drop test - Part 2: Sacks made from  
thermoplastic flexible film

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 7965-2:2000 sisaldab Euroopa standardi EN ISO 7965-2:1996 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 7965-2:2000 consists of the English text of the European standard EN ISO 7965-2:1996.</p> <p>This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> Standardi ISO 7965 käesolev osa määrab kindlaks termoplastsest elastsest kilest valmistatud täidetud koti vertikaalse löögiteimimeetodi kukutamise teel.</p>	<p><b>Scope:</b></p>
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ICS 55.080

**Võtmesõnad:** kotid, kukutamisteimid, pakend, plasttooted, teimimine, teimimisseadmed, termoplastsed vaigud

ICS 55.080

Descriptors: Sacks, thermoplastics, packaging, drop tests.

**English version**

**Sacks**

Drop test

Part 2: Sacks made from thermoplastic flexible film  
(ISO 7965-2:1993)

Sacs – Essais de chute – Partie 2: Sacs  
faits d'un film thermoplastique flexible  
(ISO 7965-2:1993)

Säcke – Stoßprüfung im freien Fall –  
Teil 2: Säcke aus thermoplastischen  
Kunststoff-Folien (ISO 7965-2:1993)

This European Standard was approved by CEN on 1996-03-12 and is identical to the ISO Standard as referred to.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**

## Foreword

International Standard

ISO 7965-2:1993 Sacks – Drop test – Sacks made from thermoplastic flexible film,

which was prepared by ISO/TC 122 'Packaging' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 261 'Packaging' as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by February 1997 at the latest.

In accordance with the CEN/GENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

## Endorsement notice

The text of the International Standard ISO 7965-2:1993 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

## 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.*